

0905003 09190  
102150 080500

<220>  
<221> SITE  
<222> (8798)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8799)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8800)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8801)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8802)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8803)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8804)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8805)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8806)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8807)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8808)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8809)  
<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8810)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8811)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8812)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8813)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8814)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8815)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8816)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8817)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8818)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8819)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8820)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8821)  
 <223> n equals a,t,g, or c

<220>









<220>  
<221> SITE  
<222> (8859)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8860)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8861)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8862)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8863)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8864)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8865)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8866)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8867)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8868)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8869)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8870)  
<223> n equals a,t,g, or c



```
<221> SITE
<222> (8883)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (8884)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (8885)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (8886)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8887)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (8888)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8889)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8890)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (8891)  
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8892)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8893)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8894)
<223> n equals a,t,g, or c
```

<220>  
<221> SITE

```

<222> (8895)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8896)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8897)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8899)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8901)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8902)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8903)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8904)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8905)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8907)

```



<220>  
 <221> SITE  
 <222> (8920)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8921)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8922)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8923)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8924)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8925)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8926)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8927)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8928)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8929)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8930)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8931)  
 <223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8932)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8933)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8934)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8935)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8936)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8937)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8938)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8939)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8940)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8941)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8942)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8943)  
<223> n equals a,t,g, or c

<220>



005003 09160" E8005650

<221> SITE  
<222> (8944)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8945)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8946)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8947)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8948)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8949)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8950)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8951)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8952)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8953)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8954)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8955)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

005005560  
"02T60" E2005560

<222> (8956)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8957)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8958)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8959)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8960)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8961)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8962)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8963)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8964)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8965)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8966)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8967)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8968)

```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8970)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8976)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8977)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8980)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (8981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8982)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8989)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8992)
<223> n equals a,t,g, or c

```

<220>  
 <221> SITE  
 <222> (8993)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8994)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8995)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8996)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8997)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8998)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8999)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9000)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9001)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9002)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9003)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9004)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (9005)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9006)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9007)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9008)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9009)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9010)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9011)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9012)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9013)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9014)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9015)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9016)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

095003-091201  
"02T50" E805660

<222> (9017)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9018)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9019)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9020)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9021)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9022)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9023)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9024)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9025)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9026)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9027)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9028)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9029)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9030)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9031)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9032)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9033)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9034)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9035)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9036)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9037)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9038)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9039)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9040)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9041)

<223> n equals a,t,g, or c



```

<220>
<221> SITE
<222> (9042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9043)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9050)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9053)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (9054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9055)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9062)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9065)
<223> n equals a,t,g, or c

<220>

```

```
<221> SITE
<222> (9066)
<223> n equals a,t,g, or c
```

<222> (9078)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9079)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9080)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9081)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9082)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9083)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9084)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9085)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9086)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9087)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9088)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9089)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9090)

1.02150" E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9091)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9092)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9093)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9094)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9095)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9096)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9097)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9099)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9100)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9102)

<223> n equals a,t,g, or c



095003 09130  
102150 000550

<220>  
<221> SITE  
<222> (9115)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9116)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9117)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9118)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9124)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9125)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9126)  
<223> n equals a,t,g, or c

<220>





<222> (9139)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9140)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9141)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9142)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9143)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9144)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9145)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9146)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9147)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9148)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9149)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9150)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9151)



<220>  
 <221> SITE  
 <222> (9164)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9165)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9166)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9167)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9168)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9169)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9170)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9171)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9172)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9173)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9174)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9175)  
 <223> n equals a,t,g, or c





<222> (9200)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9201)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9202)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9203)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9204)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9205)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9206)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9207)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9208)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9209)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9210)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9211)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9212)



<220>  
 <221> SITE  
 <222> (9225)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9226)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9227)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9228)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9229)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9230)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9231)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9232)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9233)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9234)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9235)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9236)  
 <223> n equals a,t,g, or c



<220>  
 <221> SITE  
 <222> (9237)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9238)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9239)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9240)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9241)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9242)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9243)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9244)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9245)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9246)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9247)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9248)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
<222> (9249)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9250)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9251)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9252)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9253)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9254)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9255)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9256)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9257)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9258)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9259)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9260)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (9261)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9262)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9263)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9264)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9265)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9266)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9267)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9268)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9269)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9270)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9271)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9272)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9273)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9274)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9275)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9276)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9277)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9278)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9279)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9280)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9282)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9284)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9285)

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9286)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9287)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9288)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9289)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9290)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9291)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9292)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9293)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9294)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9295)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9296)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9297)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9298)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9299)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9300)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9301)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9302)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9303)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9304)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9305)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9306)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9307)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9308)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9309)  
 <223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (9310)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9311)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9312)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9313)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9314)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9315)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9316)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9317)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9318)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9319)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9320)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9321)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

```

<222> (9322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9323)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9331)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9334)

```



<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9335)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9337)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9338)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9339)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9340)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9342)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9343)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9344)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9346)

<223> n equals a,t,g, or c

```

<220>
<221> SITE
<222> (9347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9348)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9355)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9358)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (9359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9360)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9370)
<223> n equals a,t,g, or c

<220>

```

```

<221> SITE
<222> (9371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9379)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9382)
<223> n equals a,t,g, or c

<220>
<221> SITE

```

09500560 09160 02160

<222> (9383)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9384)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9385)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9386)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9387)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9388)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9389)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9390)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9391)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9392)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9393)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9394)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9396)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9397)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9398)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9399)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9400)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9401)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9402)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9403)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9404)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9405)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9406)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9407)

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9408)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9409)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9410)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9411)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9412)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9413)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9414)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9415)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9416)  
 <223> n equals a,t,g, or c

<400> 12584  
 gtgacttgta gctttaacaa aaattagggt ccctagttgc agctgccagg gaaagctagt 60  
 ctaatatcaa agcaaaccat ccttcttctc aagcacagag tttttaagat aggagtgtgt 120  
 gtgtattgac attttcctag cagtggctga agtcaaggac caggagattt agggccact 180  
 tggagttctt atggtgaaac agtagtagct tcctagagac ctttaaagct tatctgtaat 240  
 ttgtatagtt cagaagatac tgtatacatc attatttctc cctgctttca aaacaggaag 300  
 ggggtgtgga gagtaacaca ctaaaaaaag gataagtaat taatttctgg gtaagaattt 360  
 ccttttggct taaaatggac tgatgggtgta agttcctccc ttgcaagca gaagctttga 420  
 agatagtgag ctagatgaag ctctggacat cttgaatgaa gtattctgta taagaaccaa 480  
 gtgtataata actgttagta atagaggctg ctcatagaaa tgtcattgca ttataattgt 540  
 agggacagtt tgtcagagag taggtagaag attatcagac ccaggttttg ttcttggtc 600  
 acatgaagtc atcaagtagg ctattttaat gcttcacttt aaccataggc taagattaaa 660  
 ttaaaaaataa aaagcttttg tcatggccgg gcacagtggc tcatgcctgt aatcccagca 720  
 ctttgggagg ctgaggtggg tggatcacct gaggtcagga atttgagact ggtctgacca 780  
 acatggtgaa accctgtctc tactaaaaat acaaaaaatta gccgggcacg gtggtgcacg 840

cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	cgcttgaacc	tgggaggggg	900
aggttgcagt	gagccgagat	cgtaccattg	cactccagcc	tgggggacag	agtgagactc	960
cgtctcaaaa	aaaaaaaaaa	aaaaagcttt	tgtcaattaa	agatgcttgt	cagtactgag	1020
tattcatggt	gctatggcac	ttttataaga	aaactgtaca	cggtcataatc	tgcttccgaa	1080
aataatacat	agtgaatag	taattttaca	ggcaattaa	aatttgcttg	ccaggcgagg	1140
tggcttatac	ctgtaataccc	agcactttgg	aaagccaagg	tgggtggatc	acctgaggtc	1200
aggagtttga	gaccagcctg	gccaacatgg	cgaaacacctg	tctctactaa	aaaaaaaaat	1260
ccaaaaaatt	agccgggcat	ggtggcaggc	gcttgtaatc	ccagcaactt	gggaggctga	1320
ggcaggagaa	tcacttgaac	ccggggaggca	gaggttgcag	tgagccgaga	tcgcgccatt	1380
gcactccacc	tgggcaacaa	gagcaaaaac	tccgtctcaa	aaaaaaaaaga	at ttgctata	1440
atagaagatc	catgtgtaca	ttctgtatgc	aaatcttagg	aagatattag	atcccagaag	1500
gttaaagttc	cgatctctat	atattttgat	atgctttaag	gagaagtggc	atccatgtag	1560
atgtgtaaaa	tggcttataa	ctctcgagggt	ttccaatttc	tgctgtggtg	gcaattctaa	1620
actcagatgg	acttggcacac	tactctggat	tactgtccct	aaatatcaac	tactgtttat	1680
aagccagcag	aggccaactg	aaatagtaca	cataaagttc	ctacagcata	tccttcagtc	1740
agaagtggaa	aagattgatt	aaagttggag	tataaacata	tggggccctg	acaaaaaata	1800
ttgaaccgta	ctactagaaa	tccccattct	ttagctaaag	gataatctga	cttcactttt	1860
aattcttcat	tgactattgg	tgctctgaaa	gaataggaaa	taatagcaaa	acatgggaac	1920
tcctagatag	catacattta	tttttaaaat	gtataccatc	ggccaggcac	catgggtcac	1980
gcctgtaatc	ccagcacttt	ggggaggccaa	ggtgggcgga	tcatttgagg	tcaggagttg	2040
gagaccacc	tgggcaacct	ggtgaaaccc	catctctact	aaaatacaca	aaactaactg	2100
ggtgtggtag	cacacacctg	taatcccagc	tactcaggag	gctgaggcag	tagaactgct	2160
tgaacctgga	agacagaggt	tgcagggagc	caagatcacg	ccactgtact	atagcctggg	2220
agaaaaacaa	caaaaaacat	atggtcaact	tcccaagtaa	actgaccaat	gtcagtttag	2280
gttcagtcct	actgtaggag	tgccctgccgt	aggccagcgc	ctctcaacct	ttccactaag	2340
tacattaaga	tcctaacagt	aatcattggg	accccaggtc	atcgtctcaa	cagaagctcc	2400
agattttctc	aagtcttgcc	cctcttggtt	tatatcaaaa	ttttatgtat	attattttta	2460
tattttcaaa	aattctcccc	agatcattca	gtaatatgga	gatgtgcaga	tagaaaaaag	2520
tagattttcca	gctggtatga	tcagtgtata	attggacttc	atcaaaatta	aaagcttttg	2580
tgcaccaaag	gatactatca	agaaagtaaa	aagctatccc	acagaatagg	agaaaaatatt	2640
tgtaaatcat	aagtctagta	ttcagatgtc	taaagaactc	ttagaattca	acaataaaaa	2700
gataaccag	tttacaaaat	ggatatgaat	agacagttct	ctaaaagaga	catatacatg	2760
gccaataaag	tcgtgaaaag	ctgtttaata	tcttttagtca	ttagggaaat	gcaaatcaaa	2820
accacaatga	tatatcattt	cacacctact	aggatggcaa	taatcaaaaa	cacacaaaca	2880
gatgttggtg	aagatacgga	gaaattggaa	ccctcaagca	ttgctgggtg	gaatgtaaaa	2940
tggtgcagcc	acttgtggaa	aatagtttgt	cagttctctca	aaaagttcac	agttaccata	3000
tgaccagca	attccatttc	tagggtttaca	cccaagggaa	ctgaaagcat	agattcacac	3060
aaaaacttgt	acacaaatgt	tcatagcttt	attataatag	ccaaaagtgg	aaacaacca	3120
gttgtccacc	aattgggaca	aattgaatga	atacacaaaa	tgttatatcc	acacaatgga	3180
atgttattca	gccataagaa	aacaatgaaa	tcctgatcac	atgctgcgac	acagatgaac	3240
cttgaaaaat	tgtgacatga	aacaagccag	acacaaatgg	ccacatattg	tatgattcca	3300
ttttatatga	ataccagaa	taagctaatt	cgtaaagaca	gaaaatagat	tgggtggttg	3360
taggggataa	gaggaagggt	gaattgggaa	tggccactat	gcggtacagg	gttttctaag	3420
ttctggcatt	agatagcaga	gatgaaaaatg	ttctggcatt	agatagtgga	gatggttgca	3480
taacactgaa	tatactaaaa	tccactgaat	tgtacactta	aaaaaatgaa	gaagaaggga	3540
ctatgcatga	tcaaagaaaa	aaatgctttg	tgctcaagta	gggatagaat	aaacagtaag	3600
actggaaaaga	ctgtgaaggg	ccttgaatgg	caagctaagg	aagttagctt	tcactttata	3660
gatcgtagga	agccaccaga	gtatttttag	caggggtggc	atgtttaagg	tagtggtata	3720
ggaagtttaa	tttgtgaaat	gagaaagaga	tactatcagc	caggagagggt	agaaggttct	3780
ataaagctcaa	attgaacacc	cgaagtttca	gattttcatg	atgaccttgg	gtatgtgtgt	3840
atacacatat	gtatgggatt	tgtagttcatc	tggggaaggc	tgagggtgcta	atatgaatac	3900
tgaaaactag	agagggtaat	atagcagagt	agttaaaaat	gaaaacactc	tgaaccaca	3960
tgctgtctgg	gttcaaattc	cagctgggct	accttcagc	actgtgacct	taggtaagtc	4020
actaaccctg	tctgtgcttc	agcttctctc	tccgtaagat	aaggatacct	actcatcaag	4080
gttgttttga	ggattaagtg	ggttaataca	tacaaagtgt	ttacaatgtc	aagcttaaag	4140
aaagggtccc	aaaaatgtca	gctgctagtc	tgaaactcca	gagcaggttt	gagagtaacc	4200
cgctggtgtt	ctctgccccg	gataaaactat	gaagtaacag	tcctaaagtg	ttaaaagaca	4260
aaactaaattt	ttcttttgta	aaaatgacc	tttaaaaaaa	ctccattctac	taataatgaa	4320
gcttagtagt	agtaaaatga	tgatttttag	ccataaaaacg	ggttttctat	atcttcacaa	4380
atatagtgta	gagttttcaga	atattctttg	atatgaaacca	gtctctcata	ctttctgtat	4440
agcactgatt	cgctaagtaa	gatgccaagg	catgacctcc	cttcagggaat	tgggaatctg	4500



[illegible]

nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8220
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8280
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8340
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8400
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8460
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8520
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8580
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8640
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8700
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8760
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8820
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8880
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	8940
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9000
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9060
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9120
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9180
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9240
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9300
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	9360
nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnnnnnnn	nnnnnnntcac	9420
gcctataatc	ccagcacttt	gggagtcctga	ggcgggcgga	tcaccagagg	tcaggagttc	9480
aagaccagcc	tgaccaacat	ggtgaaaccc	catctctact	aaaaatacaa	aaattagcca	9540
ggcatggctg	cacacgcctg	tagtcccagc	tacttgggag	gctgaggcag	gagaattgct	9600
tgaacctgag	aggcagagtg	ttcagtgagc	caagactgca	ctactgcact	ccagcctgag	9660
gaacagcgcg	agactctgtc	tcaaaaaaaa	aaaaaaaaaa	aaagaatgta	agtaatttgc	9720
ccaagctgca	gagctaaatt	ttaaactaga	taattctgat	tccaaagccc	agataatctg	9780
gctagaagtt	gcaccagggg	attcactgat	ttacaaagaa	ttagaatgtg	ataaaattcc	9840
ctgagtacag	gcaagtgtga	tttttatctt	tgctagtaaa	gccatttaga	tgtcttaaag	9900
tgcttcaatc	tgttgcacct	gttctactaa	aacaaagaaa	tgagtcaacg	gcctctttta	9960
gctttaacat	tctctctgtc	tatacatttt	tatagaataa	tttttagtta	ttgcagcagg	10020
tttcaccagt	cagccaacgg	gtgtgtataa	cattaatcac	tagcactaca	cctcagaagt	10080
cttgcttatt	aagagcactc	agctttaagt	aagaaattaa	agaatttttg	taggcctttg	10140
ggacagttca	agtttaggtt	gtttggctgg	gttgagagag	taaaaaacta	acattcttta	10200
acctaaccct	ttttctttct	ttctccaggg	taacaactat	ccaatagctt	acctttaaaa	10260
tgtccctctt	attgttctct	cctcagacat	ttttgatcac	ttgtcccagt	ttccatgagt	10320
cctgtatcac	agctgtcaca	atgcttgagc	tatttaggtg	gaggtaactt	tcagaaatga	10380
actgctgaag	ggtgcagagt	gctcaagaat	tagattaaca	aagaaagtac	acctaaattt	10440
agcattaaaa	tgaactttta	aaatatTTTT	caataggagg	ataagcaaac	ataaaaatgg	10500
gtgtgcttat	gtctataaac	aggtgctgga	gcatagattg	ttatctggac	atcaaagaat	10560
aatagagctg	tagcttttaa	agagcacaca	gctggttatt	agtgattcac	tcccagggtca	10620
ctgccaaagt	ccaagggcat	tggaacgaat	agtagaattg	aaatcaggtg	atgtggattc	10680
taatttgagc	tctgtctctg	taaccttggg	catgccagtt	atcccccttg	gaccttagtc	10740
tcttatctac	ctaattgaag	gtttggagca	ggtaattctt	cagttctaag	taagaatctg	10800
tattcatgaa	taactgttca	gcatatgact	cagcccaagg	tgtacaggat	tgctggagtg	10860
tggaaggtat	gttggctcct	gcctgtacta	gcaacaaggc	ttaatctagt	gaacagaaag	10920
gatcaaagg	ggctatatcc	ccacctaaat	gtccatgatc	tacaagtgtc	cttctagctg	10980
gcagagtggg	tcagtaatga	gattttgtat	ctcattatat	gaagttctaa	gcactgaacc	11040
taatcagtta	cccatacctt	aagtagacag	tgtcaggcag	agcttaactc	tccttcctat	11100
tttcttttgt	cttctttttc	tctgtaagtt	ctctaacata	aggaacttgc	atttttggtga	11160
aagaatagaa	aagtttgagg	acagccagg	tgtgtgtgaa	gtaagactga	tccagctgat	11220
tggtttgcc	tttagattgc	atggcagaca	tctgccataa	gcacttaaaa	cacaccttca	11280
ataggcatta	gaaagcacac	acacggccaa	acatagtagc	tcacacctgt	aatgccaaata	11340
ctttgtgagg	ctgaggcgag	aggattgctt	gagcccagca	gttcaagacc	agcctgggca	11400
atatagcaag	atgccatctc	tacaaaaaat	tttaaaatta	tctgaatgtg	gtagtacatt	11460
cctgtggctc	cagctactca	ggggctctgag	gtcgggaagat	cacttgagcc	caggagatca	11520
aggctgcagt	gagccatgac	tgtgccattg	cactccagcc	tttgcgacag	agcaagaccc	11580
tgcttcaaaa	cacacacact	gactagggat	ggtggcttat	gcccagcact	ttagggaggct	11640
gaggcaggca	gatcacttga	ggtcaggagt	ttaagaccag	cctggccaac	atgggtgaaac	11700
cctactctac	taaaaataca	aaaatcagcc	atgcggccag	gtgcagtggc	tctgcctgtg	11760
aatcccagca	ctttgggaag	ctaaggcagg	aggatcacct	gaggtcagga	gttcgagacc	11820

agcctgacca	acatggtgaa	atcctgtctc	tactaaaaat	acaaaattag	ccccgtgtgg	11880
tggcgccctgc	ctgtaatccc	agctacttgg	gaggctgagg	caggagaatc	acttgaaccc	11940
aggaggcaga	ggttacggtg	agccgagatc	acgccattgc	actccagcct	gggcaacaag	12000
agcgaaactc	catctcaaaa	aaaaaaaaag	aaaagaaaat	cagccatgca	tggtgacaca	12060
cagttgtaat	cccactctacc	tgggaggctg	aggcaggaga	atcgcttgaa	cctggggaggc	12120
agaggttgca	gtaagccaag	attgcaccac	tgcactccag	cctggggcaac	agagtgaagc	12180
tgtgtcttga	aacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	12240
taatttgctg	ttgtttttggg	ggcatggcgg	cacataccta	tagtcctagc	tacttgggag	12300
gctcaggcag	gaggatcact	tgaacccagg	aagttgaaac	tgcagtgaagc	tgtgattgtg	12360
ccgctgcact	ccagcctggg	caacagagtg	aagtactgtc	tcaagaaaat	aaaaaaataa	12420
agaaataaaa	acataaggtt	tagatggcaa	ctttaaaatg	tgaaggagg	atatacagtt	12480
tttcaaaatt	cttctaggag	ctatgccagc	aaaaagggtt	gaagacctga	agaccattat	12540
atcagtgcca	taaacatctt	taatttgtcc	ttttccttct	cctacaccta	gtcaattgat	12600
tttttttttc	ccatttatca	atttcagact	ctgcctgggt	tttcactttc	ccatccattt	12660
tgttacaata	tttttctctc	cttgaaatta	gccagctctc	ttggagtga	tgccccatgc	12720
tccttcctac	cgtgtgtgtc	ttactacatt	atcctccctt	ggaatgccgt	catctcttct	12780
ctgttcaaga	actacttctc	ccgaccactg	tggtcgagat	tgatttctct	ttaacctcta	12840
caacattggc	tattccatac	agttagccct	tagcatagaa	catcattgtt	tgattttgct	12900
ccttaagaat	agaaagcacc	tcttaaaatt	ctaccatatt	cccccaatgc	ctaattgcaat	12960
gctaaccaca	tagtgagtgc	ttaataaata	ttgtattgac	tgccatagagt	acagagcact	13020
tgttcactca	ttgttcggcc	attcagctaa	tactttttga	gaaattttgt	gtaccaggaa	13080
ctgtactatg	cactggggta	cggtagggac	taaagtagat	gataatccct	gctttgaaag	13140
actgaaaagt	aagatatatg	gtatgtcaaa	aggtaataag	tactgagaag	aaaaatagaa	13200
aaagcaggaa	agaagaacaa	gaagtgtgtg	atgggggagg	gttacagggt	ggggagggggt	13260
agtgttgat	acacttctag	ataagatagg	gaagtcctca	ctgatactta	tggtgacatt	13320
ttacaaagga	cctgaggtgt	aggaaggatt	tgagcttatc	tgtgcaaaga	gccttcagg	13380
caaggaactt	accatgtgaa	ggcaccaagg	ctggacctgc	ttaacattcc	aggaagggaa	13440
agctttgggg	ctggagcaga	agggtagagg	ccagattgag	agatgagtca	gaggacagtg	13500
gggcccgggc	agagggacag	aacctgcggg	tgctggcaat	cagccttttg	atctgagtga	13560
gaatagaggc	cttgagaggg	ctttgagcag	aggagtgacc	tgctgactta	agttgaatag	13620
aaccctctag	atgcttcatt	aaggctagac	tgaagggagg	caaaggcagg	gtgagatcag	13680
tcaggaggca	agtatataat	gataatacat	tgaatataat	aatgatatat	taataataat	13740
aatccagaga	tagtggcaac	tcagaccagg	ggaagcagta	gaggcggaga	gaagtgggtca	13800
gattttggat	ttattttgaa	ggtagaacag	acaggtattg	tgactctgtt	gagtagtcag	13860
ctgggagcta	ttgatgggtt	ctgagcagga	gctgaaggaa	gattaccccg	gtataggact	13920
gctgggaaga	cgtgggtgcag	gcagagatca	ggtaggaggc	cattgcaagg	atttaagggt	13980
gagatccata	agggttttta	ctgcaaatca	gcagaggaaa	aagggagtg	tgatgggtcat	14040
ggtgacagtg	atgggtgagag	agactggaaa	ggaggaatca	acaggatttc	atgactagat	14100
aacagagaac	caatatgaag	aaggaaaaca	cttttttttt	ttttttgaga	cggagtcctg	14160
ctctgttgcc	caggctggag	tacagtgaga	cgatctcagc	tcactgcaac	ctccgcctcc	14220
tgggttcaag	cgattctctc	gcctcagctt	cctgagtagc	tgggattaca	ggcatgcacc	14280
accacgcccg	gctaattttt	gtatttttag	tagagatggg	gtttcaccat	gttggtcagg	14340
ctgggtcttga	actcttgacc	tggtgatccg	cctgccttgg	cctcccaaag	tgctgggatt	14400
acagacgtgg	agccaccatg	ccctggcagg	aaaacacact	tttgaatgtt	gtgtgacctg	14460
gagaatggta	acactgttaa	tttaaaaaaa	aaaaaaaaagc	ccagagaagg	ctgatttagg	14520
gagaaattta	tgctttagtt	atacagagtt	tgagatggta	atgaaatatc	aaattaaaac	14580
tgtccagcaa	ggaagtagga	aatgtggaac	tgaaaaagaa	gttagaacta	aagatgtgga	14640
tctgtctttg	gcataaagat	tatattaagt	tacttgagag	tagatgagtt	tccaaagaag	14700
cagtgtagca	agaatagtgg	agggccaaga	ctggatcctg	ggggtcagca	acatctagga	14760
gccagaaaaa	atgccttcgg	tgaagaaaaa	ggaaagatgg	gtctattcaa	attgtagtca	14820
gccaacccat	gctagaagta	agcacagaaa	gtaagagtga	acattggcca	agcacagtgg	14880
ctgatgcctg	taatcccaac	actttgggag	gccaaggcgg	gcagattgct	tgagctcagg	14940
agttcgagac	cagcctgagc	aacatgggtg	aactccaact	ctacaagaaa	ttagccggtc	15000
ctgtgcacac	ctgtagtccc	agctgctagg	gaggctcagg	tgggaggatc	acttgaacct	15060
agaaagttag	ggctgcagtg	agctgtgagc	atgccactgc	actccagcgt	gggcaacagc	15120
ccggtggctc	acgcctgtaa	tcccagcact	ttgggacgcc	aaggcaggtc	gatcacttga	15180
ggtcaggagt	tcgagactag	cctggccaac	atggagaaac	cccatctcta	ctgaaaatac	15240
aaaaattagc	tgggcatggg	ggtgcacacc	tgtaatccca	gctactcggg	aggctgagac	15300
aggagaatca	cttgaacctg	ggaagcggag	gttgccgtga	gccaagatca	tgccactgca	15360
cttcagcctg	cataacacag	agagactctg	tcccaaaagg	aaaaaaaaaga	aaaagatcca	15420
ggagatccat	tcctaggtat	atacccaaga	gaattgaaaa	cataaaaaca	tatgttcaca	15480

caaaaacttg	tacatgggct	catacctgta	attgcagcac	tctgggaggc	caaagcagga	15540
ggatcatttg	aggccaggag	ttcaagaccg	gcctaggcaa	catagtgaga	ccctgtctct	15600
acaaaatgca	tgaatgtttg	tagcagcatt	cttcataatg	ttcctaaagt	ggaaacaacc	15660
cagttgtttg	tcagctgatg	aatgggtaga	ttatatgcag	agtatccagg	ctgggcgtag	15720
tggctcatgc	ctgcaatcct	agcacttttg	gaagctgagg	tggacagatc	atltgagctc	15780
aggaattcaa	gaccagcctg	agcaacatag	tgagaccttg	tctataaaaa	atlttttaaat	15840
gttaaaaaaa	agaatgcaga	gtatccatac	aacgggatat	tattcagcca	taaacaggaa	15900
tgaagtactg	atacatgcta	caacatggat	gaaccttgaa	aacatgctaa	gtgaaataag	15960
ccagacacaa	aggtctacac	attgcctgac	gccattttata	tgaaacacct	agaataggcc	16020
aatctataga	gacataaagt	agatgaatgg	ttgccaggct	ctgggagtta	agagagaaatg	16080
ggaaatgact	gccaacatgt	atgggggtttc	tacttgagggt	gatgaagata	ttctgaaatt	16140
agatagatag	tggggatggc	tgcacaacct	ttttttttttt	tcttttttgag	atggagtctc	16200
gctctgttgc	caggctggag	tgcagtggcg	caatctcagc	tcactgcaat	ctctgcctcc	16260
tgggttcaag	caattctcct	ccctcagcct	cctgagtagc	tgggactaca	ggcaggcacc	16320
accacgcccc	gctaattttt	tgtagtaga	gacagggttt	caccatgttg	gccaggatgg	16380
tcttgatctc	ctgacctcgt	gatctgcctt	cctccggctc	ccaaagtgtc	gggattacag	16440
gcataagcca	ccatgcccgg	cgacaacctt	ttgaatatac	taaaaaacat	tacattttac	16500
actttgaagg	gtgaatttta	tggtaaatta	tatctcagta	gaaaaaaatc	caggaaactg	16560
tgtatagtca	gccctccata	tttgtgggtt	ccacattcat	ggatttctaag	ctaaataata	16620
atacaataat	aaaaatataa	ataaaaaaca	atatgtctata	tagcagctat	ttgcattgca	16680
tttacattat	attaggtatt	atgagtaatc	cagagatgat	ttaaagtgtg	tgtgaagatg	16740
tgcatagggt	acatgcaata	ctacaccata	ttatataagg	gacttgagca	tctgtgggtg	16800
ctgctgcgag	tactagaacc	aatccttcat	ggacaccaag	agataactgt	attcaaaacc	16860
aatgaaacca	gtgaaagaga	agttttcaaaa	agattgaaaa	cacagcaggg	cagtcaagga	16920
aaccagggag	aaaggaaaga	ctagtgaggt	tgggtatttag	aagatgaaag	attaaaacaa	16980
atcattccat	atacagcatg	agtcocataga	ctactcctaa	aagttcctga	gacttcttta	17040
aggaatctct	ttggggtaaa	aattattttt	atgatactac	taagatgtat	ttgtcttttc	17100
cctatgttga	cacttgcact	gatgttgcaa	aatggtggta	aaactgctgg	cgccttagca	17160
caaatcagga	cgggtgacacc	aaactgtacc	agtgggtcact	gcattcttta	ctgccatgca	17220
ctcacaatca	aaacagagcc	agtttctact	aagaatcggt	gatgaagtgg	taaatttttt	17280
ttgttttttt	tttttgaggg	aggggtcttac	ccaggctaga	gtgctgggtgg	ggcatcacag	17340
ctcactgccg	cctcaacttc	ctgggctcag	gtgatgctac	ctcagcctcc	tgagttagctg	17400
aggctacagg	tgtgcaccac	cacacctggc	taattttttgt	ttttgttttg	ttttgttttg	17460
tttttagaga	tgggggtttca	ctctgtcgcc	caggctaaat	attgttaatt	gtatcaaatg	17520
tcagtccttg	aataaatctt	ttttttttta	ctgggtatgca	ccaccacacc	cagctaattt	17580
ttgtattttt	agtagagacg	gggtttcgcc	atgttggcca	ggctggtctg	gaactcctga	17640
cctaaagtga	tctaccgctc	ttggcctccc	agagtgtctg	gaggtgtggg	ccaccatgcc	17700
tgatcctgag	tacatctttt	taaacttggt	tgaagaaatg	ggaaatatgc	ataaaccgcc	17760
tctgtctcac	actggtagag	tacgggtggt	gtcacaagga	aaagcatttg	ggcgattatt	17820
caagttgcat	attgatattag	cagcttcttt	tttcaccgac	caccattttt	acttgaaaga	17880
atgatagaca	aactatgggt	ttagacttag	gcatctggca	gacagtctct	tgaaactgta	17940
tgaagtgagc	ctgtcacttc	aaggtaaaca	aatgacaata	ttttagacca	gtgataaaat	18000
ttacactttc	aagtaaaaaa	tagaattttg	gaaaacttgt	atccactccc	atgagcttga	18060
ccacttttca	atatataacag	acttttctgc	tgaatacaat	ggtgaaattt	aaggaaatag	18120
atltttttgat	atgtatttcta	atgaaatatg	tcagtattta	gaagatctgc	ctaacaacag	18180
ggaaccagta	ttttgcagtg	atctatgtgt	gatgttacia	agtcatgcat	ggtaaaatat	18240
ccattcaaag	tgcaagagaa	gccaatgggt	tttattataa	caaaagttcc	taactgttaa	18300
gaaactacta	cttgtcaagt	tttgatgtag	cgctaaaagaa	tatccaaaat	tatctgaaaa	18360
tgcagatact	ttctctgtct	gtgtaaaagcc	agatttttct	tgtatatatt	aaccaaacta	18420
acataattaca	acagattaaa	tgcagaagca	gatttgagaa	tccagtcac	ttctattaag	18480
tcagacagag	gccataaatt	tatgaaaatg	taaaacagtg	gcattcttct	cattagatgg	18540
ctttatttct	ttgattgttt	tgggaaatat	agtggtttac	atttaaagta	tgttatttat	18600
attaatataa	tgtgtagtag	tttttactgt	atgtttttta	ctgaattaat	catatctttt	18660
actttttttt	tagtttttatt	ttcttccttt	tttttttttt	tttgattttg	agtctcgctc	18720
tgttgccctag	tctggagcac	agtggcggtga	tctcagctca	ctacaacccc	cacctcctgg	18780
gttcaagcga	ttctcctgcc	tcagcctccc	aagtagctgg	gatcacaggc	gcctgccacc	18840
atgtctggct	ggttttttgta	tttttagtag	ggtttcacca	tgttggccag	gatggctctca	18900
aactcctgac	ctcaagtgat	ccaccacact	cggcctccca	aagcattggg	attacaggag	18960
tgagccacca	caccagtttt	ttagtcttat	tttctaacac	agtagacatt	gatatatagt	19020
tcccacatta	acaaaagttg	tttgggggtgc	tcaattttatt	tattttattta	tttattttatt	19080
tattttattta	ttttattttta	atltttctttt	tgaggcggag	tctcactgtg	tcgcccaggc	19140

tggagtgacag	tggcacaatc	teggctcact	gcaagctctg	cctcccaggt	tcacaccatt	19200
ctcctgcctc	agcctcccga	gtagctgggg	ctacaggtgc	ccgccaccac	acccggctaa	19260
ttttttgtat	tttttagtaga	gacaggggtt	caccatgtta	accaggatgg	tctcgatctc	19320
ctgacctcgt	gatccgcccc	cctcagcctc	ccgaagtgc	gggattacag	gcatgagcca	19380
ccgtgccccg	cttatatttt	ttttattttt	atttatttat	ttatttat	ttgagacagg	19440
gtctcaaaaa	aaacaacttt	gttgcccagg	ctggagtgca	gtggcatcat	cgtagctcat	19500
tgtagcttct	gtctccccag	actcaggtga	tcctcctgcc	tcagcctctc	aagttagctgg	19560
gactacaggc	acgcaccacc	caccccaccc	aactattttt	tttatttttt	gtagagacag	19620
agtcttgcta	tgttgcccag	gctgggtctca	aactcctggg	ttccagtgat	tctcccgctc	19680
cagcctccca	aagcactggg	attacaggtg	tgagccacca	ctcccagcca	aatttaccag	19740
acttaatgga	aacagtccat	ttctgtttct	tcagatgaaa	cctcacaact	ttaggattaa	19800
taagtaatct	cacaactatt	gtacaggaaa	taagaaaacg	ttcccgcata	caatgcacgt	19860
tgtgatagat	ctgggtccctg	acacaaacag	cacttggaac	tgagtgaagt	ccagagactg	19920
aataatacag	ttctatccac	tccctgtgct	tgactacaac	ccctgaagag	ggcttgtaga	19980
aattaaatgt	atcccagcag	ctgcttgaaa	gaccacagca	ttggccgggc	acggtgactc	20040
acgcttgtaa	tcccagcact	ttgggaggcc	gaggcggg	gatcacgagg	tcaggagatc	20100
gagaccacgg	tgaaccctg	tctctactaa	aaatacaaaa	aattagctgg	gcgtgatggc	20160
gggcgcctgt	agtcccagct	actcggagag	gctgaggcag	gagaatggcg	tgaaccggg	20220
aggcggagct	tgcagtgagc	cgagattgca	ccactgcact	ccagcctggg	cgacagagac	20280
tctgtctcaa	aaaaaaaaaa	aaaaaacacg	cattttgaat	gtccctagca	ttagggatta	20340
taaaggtccc	attctagtag	aagatcctca	ggtttgaggt	gtactaaagg	tcattcatcct	20400
tcgcctgcta	ataaatctct	gaagtccctg	ctttaaacia	acaatcaaaa	agaaggaaca	20460
gttacagtgc	tgccaaacaa	gttctttttt	tttttttgag	atggagtttc	gctcttggtg	20520
ccaggctgga	gtgcaatggc	gtgatctcgg	ctcaccacaa	cctccacctc	ccaggttcaa	20580
gcaattctgc	ctcagcctcc	cgagtagctg	ggattacagg	catgcactac	cacgccagc	20640
taattttgta	ttttttttag	tagagacagg	gtttctccat	gttgaggcta	gtctcaaact	20700
cctgacctca	gggtgatccgc	ctgcctcggc	ctcccaaagt	gctgggatta	caggcgtgag	20760
ccacggcgcc	cggccaacaa	gttctttacaa	acctctgggt	tgttacaaac	ccatctgggtg	20820
ctaataaagg	taaggcatca	acccaatct	ccaagctgag	aattttatcc	tcaggactga	20880
gactgcggc	ctgcattcgg	atgttagtgg	ggctgtcaga	accgtgtctc	atgctgttaa	20940
aagtggaagt	ccttcccact	cagaccacag	gaagccaact	ctgatgagtg	ggaggggtgag	21000
cagaaggggc	ttcgggtcatt	ttttatagat	tcttcaggta	actctagcca	ccatattaag	21060
cattggctcc	cacaaaaaag	cattaaggct	cagaaacatc	ttgtagggtc	acaccctccc	21120
taaaaacagc	acatccctga	agtgggtggc	gggcagccag	gctccaaagc	ccgctgagct	21180
gagcggcagc	caagaacaag	gtttggtgtt	tacatactca	aaatcagcct	gggttggtac	21240
agcaactcac	ctcagcacag	ttcttccttc	tccacggcgg	cttgcttcca	ggctttgctg	21300
ttctccgtca	ccgtcttaac	gttcctgcta	acctggcctg	ctgcattctt	tttatttttc	21360
tcccaattcc	tccgccttct	tctcatgtgt	ttgctagtgt	gcaatacctc	acctgttttg	21420
aactcaacaa	cgtcccctcc	tgcaaaacgc	acctgaaaac	aagaaatagc	acacaaggcc	21480
tctaagtggc	cagaacagat	gttaccaggc	ctaagtccat	aaggaaagca	cccaagcccc	21540
ttgcttttgt	cttaaatctt	ttttttttta	cacctttaaa	ataaggttat	ggttttctaag	21600
gcttgccgta	aattaggagt	aggagagagga	actattgcca	agcaccacaa	aagttcaaga	21660
ggtagctgtt	gatcccagag	tagcaaggaa	aggcacagac	aggctataag	aagtggacac	21720
aagaactcag	aactcaggac	agtgtaggcc	ttgttagagt	caggcagaca	atttcacata	21780
cctcagaacg	tcataaagcc	atcatgactt	tactctggaa	tagatacgat	ccagacacct	21840
agaaaatgtt	aaattagatt	caacttaaa	aggcagagta	atatgtgtgg	tgttttttaa	21900
tttcgagcat	tccaaatgg	taagggtttt	catgcttaaa	gagagaaact	tagctacct	21960
gaacttattt	atgagtgtct	tagataatta	tctactgttt	tatatTTTTT	tatttatacc	22020
ccgttactaa	aacaaaagta	aaaataaagc	aaaagattga	aggcattgac	atttagtcta	22080
tatactttct	agttcctggc	tctagtctct	agcaatattt	gctgctaacc	tggtgttctg	22140
tctctgccaa	atttctgccc	atgtgaaata	tatgagactt	gacccatttt	ccttgctcat	22200
tgatctacct	gaaagggtca	tagatgtctc	cacctcccta	gagctagtga	tcctatatcc	22260
catcatctca	gccagctaga	aaacgaacca	tcacatgcca	cctcctaccc	aattacgtgc	22320
ttcataaaca	gaatacctgg	catatagcag	gcatttacta	aacacttggg	gaatgaatac	22380
atgagccagt	aatccataag	atatctgtag	aatttaattac	agttgagcct	tgaacagcgc	22440
aggctctatg	ggatcccacc	ccttgtagag	tcaaaaatcc	tcataaaaact	tttttttctt	22500
ttttttttga	gacagaatct	tgctcgttgc	ccaagctgga	gtgcaatggc	gtgatctcag	22560
ctcactgcca	cctccgcctc	ctgggttcaa	gcaattctcc	tgccctcagct	tcccaagtag	22620
gtgggattac	aggtgcctgc	accacgccta	actaattttt	gtatttttag	tagagatggg	22680
gtttcaccat	gttggccagg	ctcgtctcaa	actcctgata	tcaggcgacc	cacccgccta	22740
agcctcccaa	agtaggggat	tacagggtgtg	agctgccgca	cccggccgac	aggtgtaact	22800

tttttttttt	tttttttttt	ttttgagaca	gagtcctcact	ctgtcaccag	gctggagtg	22860
agtggctctc	tctgtcact	gcaatctctg	ctcactgcaa	cctctgcctc	ccaggttcaa	22920
gcgattcccc	tgcctcagcc	tcctgagtag	ctgggactac	aggtgtgtgc	caccatgccc	22980
agctaatttt	ttgtatttta	gtagagacgg	aatttcacca	tgtagccag	gatggctctg	23040
atttcctgac	ctcgtgatcc	acctgcttca	gcctcccaaa	gtgctgagat	tacaggcatg	23100
agccaccaca	cccggccaca	tataactttt	gactctccaa	aaacttaact	actaatagaa	23160
gacttaccaa	tagcataaac	aagttgatta	acatatattt	tgtatgtcat	ttgtgttata	23220
tatgtatttc	ttaccataaa	gtaaaactata	gaaaagaaaa	tgttattaag	agaatcataa	23280
gcaagaaaaa	atatgtttac	tcttcattca	gtggaagtgg	atcagcataa	aggtcttcct	23340
cctcatgatc	ttcaggttga	gcaggcaagg	aggaggagaa	agagaaagg	ttgccatctc	23400
agcagtggca	gaggcagagg	gaagtctaag	gggacccttg	ctgttcaaaa	ttgtgttgat	23460
caaggggtcaa	ctatacttgc	atgaagctat	aaatttaaga	gcctagccta	ttatgggaac	23520
agcaattaaa	aaaaaaaaaca	ccagttggcc	gggctgtgtg	gctcacgcct	gtaatcctag	23580
cactttggga	ggccaaggca	ggtggatcac	ctgaggtcag	gagttcgaga	ccagcctggc	23640
caacatggtg	aaataccgtc	tctactaaaa	atacaaaaat	tcactgggca	tggtggcggg	23700
cacctgtaat	cccagctact	tgggaggtcg	aagcaggaga	atcgcttgaa	cctagggggc	23760
ggaggttgca	gtgagctgcc	aagatcgtgc	cattgcactc	tccagcctgg	gtaaaaacag	23820
ctaaactcca	tctcaaaaaa	aaaaaaaaaac	accagttgat	cctggcacca	ggaagatcaa	23880
atggcatttg	tttgtttgtt	tgttttgaga	cagagtctcg	ctctgttgcc	caagctggag	23940
tgcaatggca	cgatctcagc	tcactgcaaa	ctctgcctcc	caggttcaag	tgattctcct	24000
gcctcagcct	cccagtagtc	tgggattaca	ggcaccgcgc	accacacca	gctaattttt	24060
tatatatttt	gtagagatgg	ggtttcacca	tgtagggcag	tatggtctca	aactccggat	24120
ctcaagtgat	ccaccacact	cagcctccca	aagtgccttg	gtttacaggc	gtgagccact	24180
gcaccagcca	gtacagtttt	ttgttttggt	ttattttggt	tttttgagac	ggaatctcgc	24240
tctgtcgccc	aggctggagt	gcagtggtgc	catctcagct	cactgcaagc	tccgcctccc	24300
gtgttcatgc	cattctcctg	cctcagcctc	cctagttagct	gggactatag	gcgcccgcga	24360
ccacaccggg	ctaatttttt	tttttgtatt	tttagtagag	acgggggtttc	accgtgttag	24420
ccaggatagt	ctcgatctcc	tgtcctcatg	atccgcccgt	ctcagcctcc	catagtgtctg	24480
ggattacagg	catgagccac	cgcgcccagc	cttttttttt	tttttttttt	taatgtatgg	24540
gggaaaaatg	actagaagga	cagaaaccaa	catataacat	gattgtgtgc	atttacttat	24600
ttaacaaata	attgagcaat	ttatttctgt	atgatactat	tctaagcggt	ttagagttaa	24660
gcaaactcac	agtaaactgt	attgcccattg	ataaaaaactg	cagttacata	atttaaaagc	24720
aagaatcgca	gcaattcatc	aggcacagtgc	actcacgcct	gtaatcccaa	cactttggga	24780
ggccaaggca	ggaagattcc	ttgagcccag	gaggtcaagg	ccagcctggg	caacatagtgc	24840
agaactcatg	tccacaaaaa	ttacaaaaata	gccaggcatg	gtggcaagca	cctgtggtcc	24900
cagctactca	agaggctgaa	glttgaggat	cacttgagcc	caggagggtca	aggctgcagt	24960
gagcgatgat	cgtgccactg	cactccagcc	tgggtgacag	agcaagagac	cctgtctcaa	25020
aataaataaa	aataaaagca	agaattgcag	aaagtataaa	ccatgaccaa	ctcaagagaa	25080
taatcaatga	agaataggc	agaatgtctt	tccaaaaagc	agttgagaga	tccccatcct	25140
ccacatatgc	actagtgcag	tggggatggt	gccaggcatg	gccgccagac	ctctagatag	25200
aacactgaag	gtgagtctgc	agtaaagcca	tgggaatgtgc	taatttttagt	ttaggaatac	25260
caaattttat	tgaccgtttt	taattcaata	agcaaccctt	ggccatgtat	aatcagttca	25320
tgacccatca	gaagatcctc	tgtggttcac	tcatggcctt	tggactatac	tctgaatcat	25380
ggcttttagaa	gacatttttt	tagtatactt	aaatggattt	tataacttgg	ttgatgccca	25440
gattacagac	tgtgaggagt	atctccacat	aacttgtaac	tgctatatat	gcagtcagca	25500
attccagtat	ttagcctgat	attaatttat	atttttcctc	ataatctgat	aatacagtg	25560
tagcaagata	gatcacaaag	tgtaaatgag	tgtttctgga	gcatagatgg	gtacgctcaa	25620
atctttgtat	cttgtttttt	aatagagacg	gggtttcgct	atgttgctca	ggctgggtgc	25680
gaactcctcg	gctcaagcaa	tccccttgcc	tcagcctccc	agagtgcctg	gattatacat	25740
gggagccacc	atgcctagct	tccttgatcc	atttttttaa	attcaagtaa	gagaaaaatg	25800
ctggcaatag	ttcataagct	ataaatgaaa	cctagtctta	ggaccagct	ttatattg	25860
tcaatcaaat	attaatatct	ttagtcca	atttgatttt	acaaaaaact	tttgggtcct	25920
ggggataccg	ttattgcctt	ctctgttgcc	atccatataa	tgtatgttgt	tttttttttc	25980
tctctccctc	tgggctgcgt	ttcatgccag	ataaacttcc	aaaccaaaact	gggatggcac	26040
caggcacaaa	taacactctt	cttatctttt	ccccatctta	ggttaccctt	ttgctttggt	26100
ttatcgcat	taccttttct	acaaggagac	ctacctcatc	cacctcttcc	atacctttac	26160
aggcctctca	attgcttatt	ttacttttgg	tgagtaaact	aaattagcag	tgacaccgca	26220
attagtggga	acctggaagg	aacagacttg	aacaaaattt	ccttgagaga	atctaatagg	26280
tagggaagtt	ataatgctcc	cacttgcaaa	gagggttgta	tgaagaggaa	cacagcttaa	26340
cttttccttt	ttttctttta	tgtacattct	ctgtcagat	aaaaacattt	tgagggtggt	26400
tacccttgcc	atacctcatc	aacaaagaat	cctcagtttc	tctgtgctgt	ggatgtaact	26460

gaatgaccga	gccaaagcagt	ccccacttag	attcattcttt	cacttcagac	attcaaaaaat	26520
acagtaacaa	gctgggtgtg	gtagcccgga	attcaaggct	gcagtgagct	atgattgagc	26580
tactgcactc	aagtctggac	aacagagcaa	gtcgcattct	taaaaaaaca	aacaaaaaaa	26640
gaaaagaaat	aaaataacac	cctaataatc	ttttttattt	taataaataa	tttccatcct	26700
ctcctccaaa	acatgagggt	attctgaaaa	aaaagatcct	gatgccaaac	ttttttcttt	26760
atatattacg	ttgtgattgg	aagtctcagg	acggtggggag	tgtaaaaacc	aggctaaatt	26820
ctctctctct	gcactcagga	aaccagctct	accactccct	gctgtgtatt	gtgcttcagt	26880
tcctcatcct	tcgactaatg	ggccgcacca	tcactgccgt	cctcactacc	ttttgtcttc	26940
agatggtaaa	cgtctttccc	ttagcagctc	aggctacagc	tgacagcggg	tcaggggaca	27000
ggggtaggca	ggggactgtg	gtatagaaat	tagcagacct	aattttctaac	ccctctccca	27060
gcacttagca	gtatgacttc	aggtaggtgg	cttatcacag	gcccaggtgt	tccatccaca	27120
gatttgtaatg	gtaactcttt	gcctgcctca	aggaagggcc	accagctaac	cctttgcata	27180
ctgtgccatt	aggctctttg	gtttaaccca	ctatccagga	gcagagtcac	ttcaaggcaa	27240
gacagaaaaag	caacttagaa	tgagttaaag	aacctaaagg	tagggcaggc	aaagtggctc	27300
acacctgtaa	tcccagcac	ttgggaggcc	aaggcagtc	gattgcttga	gccaggagt	27360
ttgagactaa	cccgggcaac	atggtgaaac	cccactctca	caaaaaaat	acaaaaatta	27420
gccctccagc	ctggggcaaca	tggtgaaaca	aaaaaaatta	aaaattagcc	gggtgggggtg	27480
gcatgcacct	gtggtcccag	catctaaatt	ctcatctcag	tttagccctc	atttgccaa	27540
gaagccttga	gcaacgctct	tcccattaca	ggttttcagc	acctccattt	gtaggaaattt	27600
attaaggctt	ttaatgatgg	gatgaggaga	aaggaaaaag	gaaagagaac	attgaatttc	27660
agagcaagga	gaagaaatag	tagtgatgct	agaataaata	cttctgcctc	tcctaggcct	27720
accttctggc	tggatactat	tacactgcc	ccggcaacta	cgatatcaag	tggaacaatgc	27780
cacatttgtt	tctgactttg	aagctgattg	gtgagtgatg	gtcactgcct	gccttcctta	27840
catgtaggtc	cctcccccct	ctcactaaaa	acttccctcg	cacccccctc	ccgccccccg	27900
ccatacactt	ctggctgcac	tcagttaca	ggccacatgc	tcagtgtcct	ctcccaccac	27960
cctaccatc	cgttctctct	ctgctcaggt	ttggctgttg	actactttga	cggagggaaa	28020
gatcaggtaa	gtaccatttc	atcggcagag	aggttcaaga	cttaatgaaa	gggaagaaaa	28080
aagttgttaa	caaaagactg	aacccaaatt	ccagagcgga	gcctctccct	cattccccag	28140
cctgtgcaat	ctccctttca	gatagcactg	agcaaggatc	aacaaatcta	atttgcccg	28200
gatccagctc	ttgcacaaag	tccagagatc	aatgccagca	aggcatttgc	taaagcagca	28260
acagccagct	atgcacacac	atacgcat	ccacaagaag	caactatttg	tcatcccca	28320
aagagaaggc	tatttgaaga	accccagtc	gtggggcaca	caggtggggg	acactcaaag	28380
tggtcttgtt	ggggagattc	aaggctatcc	tgaacctatg	attctcttct	tgcatagaa	28440
ttccttgtcc	ctcagcaaac	agaaatatgc	catactgtgt	gttctctccc	tgctggaagt	28500
tgctggtttc	tcctacttct	atggggcctt	cttggtaggg	cccagttct	caatgaatca	28560
ctacatgaag	ctggtgcagg	gagagctgat	tgacatacca	ggaaagatac	caaacaggta	28620
attgcccctc	ttggtccaga	tgtttgtgtg	ggtatttcac	tcactctgaa	gtgactcttc	28680
tgaaagctgc	attctccagc	atgaccctgg	catagagacc	tgagtcatgc	aggccctgga	28740
ctgttgtaac	aggcactctg	tgccaggagt	gggccctttt	tagtttaggg	ttcttccagt	28800
tatccattct	aacactagta	caaacataaa	aatccacatt	tatgccacag	gattttgcct	28860
gaaccagtca	catttctggc	tttaaagcct	attttcatgt	atatatgaaa	tatatattatg	28920
attgatagg	aggtaggcag	gcttgatagg	aggtaggtag	atagaggctg	ggcacagtg	28980
ttcacctct	ataatcccag	catcttggga	ggccgagggtg	ggaggatcac	ttgagccgtg	29040
gagttctaga	ccagcctggc	aacatagaga	gactctgtct	ctacaaaaaa	atacaaaaat	29100
tatcagacat	agtggcatgc	atctgtagtc	caagctacat	aggaggctga	agtgggagaa	29160
ttgcttgagt	ccaggggagg	tggttcaagg	ctgcagttag	ctttgatcac	accactgcac	29220
tccattctgg	gcaacatagc	aaaatcctgt	ctcaaaaaa	tttatcagta	ggaaatgcag	29280
gagggcacag	tggctcatgc	ctgtaatgcc	aacgctctgg	gaggccaagg	caggaggatc	29340
actggaggcc	aggagttcaa	gaccagctgc	ggcaacatag	tgagacccca	tctctacaaa	29400
aaaaaattat	ccaggcaagg	tggtacatgc	ctatagtccc	agctactcag	gtggccaagg	29460
caaggggatc	gcttgagccc	aggagttcaa	ggccacagct	agcaatgact	atgcctctgt	29520
actctagccg	gagtggcaga	gcaaggccct	gactctagaa	aataaaaaat	aaaattggtaa	29580
aaaaaaaaaa	aaaaaaaaaag	tttaattgcc	agaagaattc	cttctactgag	aacttgtcca	29640
tcctgtgttt	cagcatcaat	tcaaccaaga	aatgaaggag	cagattcaaa	gtggttat	29700
ttattatctt	acctccactg	ggttttcagt	cccaatggag	attgtgagac	ctggcaagac	29760
cttgagatca	gtagcatccc	tgaggggtaa	acacaagact	ggtccactgt	ctgctgcctt	29820
gactttccta	caactcttaa	gaggtttgca	gtccccattc	ctcatagcca	gccatagaaa	29880
tcctttccctg	aaacaggaaa	cactttgggc				



gaagactatc	tcctcactga	agactatgac	gtgagtgtct	actaaagcag	cagcagcatg	30180
actgcaccag	agctagaaaa	tggaacaggca	aggatcccta	cagatagcag	agaagtagga	30240
aatatcatct	acaagtgcac	gttggttttg	ctctagatct	gtgagttgtc	aatgccagcc	30300
gtgctgggac	atgttcatca	gccagcactg	aacaaccttc	gcgggcacag	ggctgtgcca	30360
ggtgcacatt	tagcacccgt	tgccttctct	aggagccgct	cctagcttgc	cttatcacat	30420
ccacgtgacc	cctcagagca	cagcagcttc	tgattctcca	tcctattttc	ttctcttgac	30480
tgatacattt	gggcacttct	aggggaattca	gaaaccaagg	gaagggggga	agtgtctggct	30540
tttgctcctg	cccagctgaa	aggcttgaaa	acagttcagt	aattctgggc	aggtttctct	30600
ccttaaatta	aatccaata	tgggcccctc	tgtacttaac	attccaaatg	ctcattccaa	30660
acactttgcc	aacgaaggca	aacagtagag	aagttaaata	cagtgtgtgc	cttgaggctc	30720
tccaagggaa	aggcgaatga	atattctcca	ggccctctgc	ttattctctc	ctgcctattg	30780
tgaaggcaat	caggccagac	tattgagggc	atctggcagc	aggactcagg	caggtagtaa	30840
gtagccagcc	acaagtgtga	aaaggaagag	tgctgagaga	aactgcctag	tcagtgtgata	30900
tccctaattg	actgtgcttt	cttcccctcaa	gaaccacccc	ttctgggttc	gctgcatgta	30960
catgtctgat	tggggcaagt	ttgtgtgtga	caaatatgtc	acctgttggc	tggtcacagt	31020
aagtagaaaa	gttgaacaaa	ggtcctattt	agacaagcca	tggggggccag	tatggggagt	31080
ggcaagagcc	ctaactgagc	tattcccctc	caggaaggag	tatgcatttt	gacgggcctg	31140
ggcttcaatg	gctttgaaga	aaagggcaag	gcaaagtggg	atgcctgtgc	caacatgaag	31200
gtgtggctct	ttgaaacaaa	ccccgccttc	actggcacca	ttgcctcatt	caacatcaac	31260
accaacgcct	gggtggcccg	gtgagctgct	ggtggggagc	ctggaccctg	gttccttctc	31320
tccactgtct	tcccagattg	gagggcaggg	gtgtaccatg	tcacccctat	gcgtctttcc	31380
catctgggca	gaacccccctg	tcgctcacac	tgactttgac	ccccacctat	acccccctcc	31440
caaaaaaacc	attactgtca	tatttgaaaa	aaaggcaaga	tataaaagtg	cgtaaagacc	31500
tgggtgttac	tccagctctg	ccaatggact	tatgtcctcc	actgcctgtg	ttatcaacag	31560
ctttacttgt	ttgtcccccac	cactagagtg	tgggcagctt	gagtagagtg	tctggttcac	31620
cactgatctc	agcatcagcc	tcagtcactg	ctcgtgaacc	aagtggctcg	tgcgcacacg	31680
gtctccagct	ccgccttggg	tctgctttcc	atctctaaaa	gtaatcagtc	agcactgcct	31740
cctgtaccct	ctggggggcta	cacgtgggaa	cccaccagca	ctccaatcca	atcctcaggg	31800
tgaggaccca	gaggcagggtg	gcgggatgca	aggaccagtc	agtttgaggg	tcgccccacc	31860
cacccttttc	tccagctaca	tcttcaaacc	actcaagttc	cttggaataa	aagaactctc	31920
tcagggtctc	tcgttgctat	tcctggccct	ctggcacggc	ctgcactcag	gatacctggg	31980
ctgcttccag	atggaattcc	tcattgttat	tgtggaaaga	caggtagggc	tccaggggtg	32040
gggtgaagg	gaatataagg	gacaagatgc	tgatgagctc	ctcctccctc	cccaggctgc	32100
caggctcatt	caagagagcc	ccacctgag	caagctggcc	gccattactg	tcctccagcc	32160
cttctactat	ttgggtgcaac	agaccatcca	ctggctcttc	atgggttact	ccatgactgc	32220
cttctgcctc	ttcacgtggg	acaaatggct	taaggcaagt	gaaggcctgc	ttgtgagact	32280
gggagggact	cactgcaacc	tcaaagggtg	caaaggacac	tccaggcctg	tctaccttag	32340
tggcctctct	ctccacaggt	gtataaatcc	atctatttcc	ttggccacat	cttcttctctg	32400
agcctactat	tcataattgcc	ttatattcac	aaagcaatgg	tgccaaggaa	agagaagtta	32460
aagaagatgg	aataatccat	ttccctggta	agttaataca	gctaaactaa	aactaccacc	32520
aggttacaga	atagagcaac	agactggaaa	aaaacaatag	tattagaaat	ctgggggtgaa	32580
ttccaaggat	tagcttggtc	actaaggaa	acagtatggg	caatgactac	tgtgacttat	32640
tgaggcatgc	taggaaacat	ctggaagggc	tatagaccag	gaattacagg	agtaactaac	32700
cagccttcca	aactcctctt	gtcttgcagg	tggcctgtgc	gggactgggtg	cagaaactac	32760
tcgtctccct	tttcacagca	ctcctttgcc	ccagagcaga	gaatggaaaa	gccagggagg	32820
tggaagatcg	atgcttccag	ctgtgcctct	gctgccagcc	aagtcttcat	ttggggccaa	32880
aggggaaact	tttttttggg	gaaggcgtct	tgctttgtca	cccacgctgg	aatgcagtgg	32940
cgggatctca	gctcacgcga	acctccacct	cctgggttca	agtgattttc	ctgcctcagc	33000
ctcccaagta	gctgggaata	caggcacgcc	acctgcccc	gctaattttt	gtatttttcag	33060
tagaaacggg	atttcaccac	gttgccagg	ctggtctcga	actcctgacc	gcaagtgatc	33120
caccgcctc	cgcttcccaa	agtgtctggg	ttacaggcgt	gagccaccgt	gcccggccca	33180
aaggggaaac	tcttgtggga	ggagcagagg	ggctcacatc	tccccctga	ttccccatg	33240
cacattgcct	tatctctccc	catctagcca	ggaatctatt	gtgtttttct	tctgccaatt	33300
tactatgatt	gtgtatgtgc	cgctaccacc	acccccccca	tgggggggtg	gagaggggtg	33360
caaggccctg	cctgctccac	tttttctacc	ttggaactgt	attagataaa	atcacttctg	33420
ttgttcagt	ttttcaccac	tagcattcct	gactgctctc	tttcacagtt	cttctccatc	33480
atcagggttc	tctcctttag	cacatgggaa	tctgggagct	aaagcctgcc	ttcaaagcat	33540
ggaaccaaac	tgcaaacctc	gtaacctctc	atctgtccct	gaagtcccg	ggaacaaaca	33600
gttttacacc	actggatact	ttaggaaccc	caaaacaacc	aggtttgcaa	gaacagtatt	33660
cataggataa	acaaatagca	aatgtacagc	cttggcttcc	ccaaactcca	cagtctcagt	33720
gcagaaagat	catcttccag	cagtcagctc	agaccagggt	caaaggatgt	gacatcaaca	33780



gtttctggtt	tcagaacag	ttctactact	gtcaaatgac	ccccatact	tcctcaaagg	33840
ctgtggtaag	ttttgcacag	gtgagggcag	cagaaagggg	gtagttactg	atggacacca	33900
tcttctctgt	atactccaca	ctgacctaag	aaaagaacag	ttttgtcagc	caactctgtc	33960
actcagtagc	tgtttcagcc	cttcttttagg	gcaggaaaac	tatggctgag	ctagtatttc	34020
agctgtgctg	ttgaatatca	aatccctaca	aaggatgaag	aaggtcctaa	ctgtgacttc	34080
caattatggc	agcagccctc	aaaggatgtg	ccctggggca	gggtgtggaa	ctgtcatgtg	34140
tcttctagct	cattgtgaagc	attgttaaaa	tgcctactgc	tctgggaatt	ctatactaag	34200
ttcagctcta	ccaagaattt	cagggttgag	cccagacett	accttgccat	gggcaaaggc	34260
ccctaccaca	aaaacaatag	gatcactgct	gggcaccagc	tcacgcacat	cactgacaac	34320
cgggatggaa	aaagaagtgc	caactttcat	acatccaact	ggaaagtgat	ctgatactgg	34380
attcttaatt	acctaaagta	aaaaagagag	aaaagtcagc	cccagaaaca	ttcccagaac	34440
cagccttcaa	ctaacagggt	tcaatacctc	accttcaaaa	gcttctgggg	gccatcagct	34500
gctcgaacac	tgagcttggt	taaaagttga	actagaaggg	ggaaaaaaga	gttcagagct	34560
agatggagac	cacagtcctt	ctgtccagtc	atcgaacaag	gaaaacccca	tggataagat	34620
gagttccctg	tgtgctttat	atctagactg	gactcctgaa	atgttaggaa	caaacagttg	34680
ccaagcatat	ggctagctgt	acagtgatgg	gttcagactc	cctctttcac	tcagccagga	34740
agctactgca	agaacaggag	tggagtttcc	acaaacatag	aaaaataata	acagtccttg	34800
tctgtgtatt	aatcatgttg	ttctcccatt	ttctcgctta	aaaatccaca	tttagttctc	34860
ccttttcttc	ttcctccctt	cttccctact	gacaagttca	ttctaacttt	gttctaaggc	34920
ttcttaccca	tgaggccaca	aaagcgggtc	aaggttctgg	gaattcgggt	ctggggattc	34980
acttcaatca	gaacattctt	ctgtgtatgg	atataaacct	gtagcaagcc	agctcggttc	35040
aggggactat	ccatcagcat	cagcaaaactc	tgagcaaagc	agaaaccgag	acatgggttaa	35100
ggctgaagag	aggcagcact	cagctgccaa	cccttccata	cagaggctca	aagggtttgtg	35160
agcactgtcc	ctggagttac	ctggtgggtg	atatctggcc	gcgcttcccc	agggtccccg	35220
ccattcttca	acaatataga	cttgtgcttg	tcacagttga	gtagctcata	tgtcttccct	35280
acctgaagaa	cagggaacat	gacgagagaa	cagcataagc	ttctgttacc	tagccccgtg	35340
gttcttcaag	tgtggtcccc	aaactaccag	cagcagctgc	acctggaaac	ttgttaggca	35400
aattctcagg	cccaccctag	acctactaaa	ccaggaacac	tgggggtgga	gcccagcaag	35460
cccttcgggg	gattactgtg	cagccttatt	tgcactcccc	agtgaatggt	ctgagagggg	35520
aacaggagga	agggcacaac	ctgtgacttc	acattatcta	ctaatacact	ggatttaatt	35580
aaaaaacctg	tggctgttag	gcaaggccaa	tgagacatcc	tggaactagg	caggagttag	35640
tagttagcaa	ggctgaatgc	tgtgtttatt	acaggagcag	taagtaggta	ctgtgcaaaa	35700
tatcgagtca	ccaccctcag	tttgcgtaca	ccaaacatgc	actaagtga	gagctgcaaa	35760
tctgaacaag	aaatgtgaag	gccgggcgtg	gtggctcacg	cctgtaatcc	cagcactttg	35820
ggaggccgag	gcgggcagat	cacaagggtc	ggagattgag	accatcggtg	ctaacacggt	35880
gaaaccccat	cttactataa	aatataaaaa	attagccggg	catggtggca	ggcgctgtta	35940
gtcccagcta	cttgggaggc	agaggcagga	gaatggcatg	aaccacaggag	gcggagcttg	36000
cagcgccact	gcactccagc	ccgggcaaca	gagcgagact	ccatctcaaa	aaaaagaaat	36060
gtgaaaacta	atgatgcagg	aggcagttta	atcaaagaaa	actctcagaa	gtaaaaggaa	36120
gaggggttat	tcccagtttt	aagacgggca	tgggggcaga	tgcaagtggc	cacggctgta	36180
atcccagcac	tctgggaggc	caaggcagcc	aaatcactta	aggctcaggag	ttcaagacca	36240
gcctgggcaa	catggcgaaa	ccccatctct	actaaaaata	caaaaattag	ctgggcatgg	36300
tggcacatgc	ctgtagtctt	agctacttgg	gaggctaagg	tgggaggatg	gcttgagccc	36360
aggagacaga	gattgcagtg	agccaagact	gtaccactgc	actccagcaa	gacctgtctt	36420
caaaaaaaag	aaaaaagaaa	gactggcatg	agcaaaggta	cagatggaat	caagacaaaag	36480
tagccaggtg	tgggtggctta	tgcctgtgat	cccaacactt	taggaggccg	agggtggaagg	36540
atcacttgag	cccaggaatt	tgagaccggc	ctgggcaaca	cggtgggacc	ctgtctcaca	36600
aaaaaaaaaa	aaaaaattag	ccaggcgcag	tgccattttg	tggcagtgcc	agttactcag	36660
gaggatgagg	tgggaggact	gcttgagcca	gggaagtaga	ggctgcagtg	aaccatcaca	36720
ccactgcact	ctgtttccca	ggcaacagag	caagacccta	tctcaaaaaa	gaaacaaaaa	36780
agaaaaagtg	gaaacgaaga	aaggaaaattt	tgaggaaaat	tgggagctga	gacactaaag	36840
ggcagtgatt	atatatgaag	ctgcttttga	aaccacagaa	tcctaattgta	tcaagcaca	36900
agccaaaaat	aattctggag	taagcagggc	aggatgggaa	tgactgacag	acactatcct	36960
aacaactctc	tgtacactgg	aaaagacatc	agaagtttga	tgttaaagaa	gtggactaca	37020
tctgtagcag	ctaaaagaaa	taattccaag	ttgcaatttg	gagtcccaag	gagcattagg	37080
gtggtcagta	aaaagtctaa	aaacaaactg	ttatatacaa	atacaagttt	tgggaaggta	37140
agtttttatg	tatcactgga	atgtatatgt	ctagcaacat	tcttgagata	tatggctcca	37200
aaaagtctgc	gaaaaaaggg	atgtagattt	tgaaattgaa	tagttgaagt	aatgtcacag	37260
agagcacaaa	gaacaaatga	ccaagaacta	agtccatgag	acacccttag	ttatagaaga	37320
aaaaaacctt	cttgaatgaa	taatacagtt	tcaaccctat	agtaggatat	aatcatgttt	37380
tctattcttt	taatagatta	caggcgcagg	cctgtaatcc	cagctactct	ggaggctgag	37440

gcaggagaat	cgattgaacc	cgaggaggcg	aggctgcagt	gagccaagat	ctgtccactg	37500
cactccagcc	tggtagagac	tgagactcca	tctcaaaaaa	aaaaaaaaaa	aaaagtgtat	37560
ttagaacgaa	gattaaaatc	ctggcctgac	ttctaaacca	atgcgatttc	ttctgggcct	37620
attcaattag	ttctaacggg	taagagaaaag	gaggaggaag	aacactgccc	aaggctttta	37680
gatagagaac	tgcttggttct	attacatgtg	gggaaagaga	tgaatgatag	ataaaaatgc	37740
agatgtaaaa	gttttaaata	ataaccagg	ctggacagtg	tatcataggt	ggatattaga	37800
gagaggtgac	tatggatact	aatgaattga	aacacgaagc	ccttacaaaa	agtgtgggca	37860
gactaggcta	cataactacg	tttctcatct	gcccgtaaac	ttgtcttggg	atgtggaatg	37920
acgcaaggaa	cgaaactttc	ctctgcttag	actactatac	cacagaatcc	tggtaaacca	37980
attggaagca	aggaggtgag	ggctagaata	tcattcaaaa	agagcaaaag	aaaatgagta	38040
ctaccggccg	ggcacagtgg	ctcacgcctc	taatcccaac	actttgggag	gccgaggcgg	38100
gcg gatcact	tgaggtcagg	agttcgagac	cagcgtggcc	aacatggtga	aaccccatct	38160
gaactaaaaa	tacaaaaaaa	ttagccgggc	gtggtggcac	ctgcctgtag	tcccagctac	38220
tccagaggct	gagcaggag	aactgtttga	aggcgggagc	cagaagttgc	agtgagccga	38280
ggtcgcgcaa	ctgcactcca	gcctgggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	38340
aaaaaagaaa	gaaaaatgag	tactaccatc	ccaggatgtc	aaatcaacgc	aaagccaacc	38400
aagccacctt	ccttcaaaaag	catctttcac	ccctctctgc	tttctacatc	cactctgggc	38460
cccttaccct	cattccacgg	agtcccaacc	tatcgattta	ctacttctcc	acttctgttc	38520
ccaaactacc	ttgactgtct	ccagactggc	cccttccagc	accacaataa	gcctacggcc	38580
tccgatcttg	tttcttgccc	ctagtcgggg	ccgcttgggt	ggcagagcat	ccagtccttg	38640
tgcctgtctc	ccaccgcttc	gttcacgagg	cttgaatcca	tactgggcg	cggccatctt	38700
gcacaataac	cggaagtgtc	gctaacgctc	ttaaataaga	acagcgcggc	ttctaatac	38760
aaatttctct	c					38771

```
<210> 12585
<211> 1390
<212> DNA
<213> Homo sapiens
```

<400>	12585						
gtatatcttg	tctgtcagct	aaattgtgtc	cttaagggca	ggacctgtgt	ttcagacatc		60
tttgataattt	accatgtttg	tcataaattt	agtgaatgta	cagtataattt	tggttttagg		120
cgagcagtg	atctgtccct	tttgctgctt	gctagttctg	ccttacaact	tccactggaa		180
agagcttttt	agtgcagcaa	atagtgtctg	catttttattg	tataaagcat	tgcttgggcc		240
ataccaaatc	attttgacag	aggctatttc	agggatgcc	caggcttcac	aattgtctact		300
tgtagctagt	tgtagcaaat	tgcaattggg	ttttggtagt	tgtgagtata	gtgtgtctc		360
ctccaccccc	gccttgtgtg	ttaatcactg	actgccagga	aatctctttg	acataacatc		420
ctaaaaagtt	tttgttatca	gtagggccct	gtaacatttt	tttctttttc	taaagcctat		480
gccttcaagt	tttttacaag	tgtcttattc	cttctaaatt	gagaactaat	tgaatatttt		540
ttcttgtaga	taaatcttat	tttaaataatc	tagttatcat	tactttgcat	tctccttttc		600
tgatttttatg	ttacattacc	aatatcttat	gatattttaa	cttttttgaa	ctctgctttt		660
taaaataaat	aatataaatg	cctcaattat	ctggaactta	cactgaaaca	ctgtaatctt		720
gtctctgagc	ctgcttcccc	tcaaaaaatt	tagatttagc	ttttcagatg	cttatagcta		780
gccaaagtaag	tgagaataaa	cacaaaaagg	ctaaaaatag	caagttccgg	agttgtcaaa		840
gcttcatgta	aaatgtgtca	tctgtgaatt	taaaaaattc	tacgcttttt	catcaagggt		900
tttggttggg	gcattagaca	cttcctgaaa	tctggcatte	tcctaggcac	tggggaatac		960
atggagaaga	ggcagatatg	gtcttggctc	acatggggca	tataatcaag	cagtaattct		1020
taaccttgga	cagacttgag	tccattatgc	caatgggtcat	ctccactttg	ccatgccatt		1080
ttagttttcc	ctaagtaaaa	actacgcctg	taatcctagc	actttgggag	gccaaaggcg		1140
gtggatcacc	tgaggtcagg	agttcgagac	cagcctggcc	aacatgggtga	aacctcatct		1200
ctactaaaaa	tacaaacatt	agctgggcgt	gatggcgcg	gcctgtaatc	ccagctactc		1260
aggaggctga	ggcaggagaa	tcacttgaac	ttgagagacg	gaggttgccg	tgagccgaga		1320
tcaagccctg	gcactccagt	ctgggtgata	gagtgagact	cagtctcaaa	aaaaaaaaaa		1380
aaaaaaaaacaa							1390

```
<210> 12586
<211> 248
<212> DNA
<213> Homo sapiens
```

<400> 12586

cgagttttgt	attgtcattc	ttgaataagc	cacaattgtg	tgtgtgtgtg	cgtgcgtgtg	60
tatttttcggg	acgaaattgt	tccacctcac	atcatcaggc	gtagattct	tgggagtgc	120
gcacaacct	gatccttcgc	atgggctgtt	cacagtagga	tccgtgctcc	tatgagaatc	180
agcgttgct	ctgatctgac	aggaagcgga	gctcagcggg	taatgctggc	ttgcctgctg	240
ctcacctc						248

<210> 12587

<211> 1155

<212> DNA

<213> Homo sapiens

<400> 12587

tagagtgtac	ttacacaacc	ctagatggta	tagcctgcta	catacctagg	ctatatggca	60
tagcctattg	ctcctaggct	gcaaaccctgt	atagcatggt	actatatgga	atactgtagg	120
cagatgtaac	acaagacgaa	tatttgtgta	tctaaacata	tccaagccat	aaacgtagag	180
aaggtagacg	caaattatgg	tataacctta	tggttatagt	tatgggacca	ccatcatgta	240
tatatgggta	atcattgact	gaagtgtcat	tgttcaacac	atgcctgtac	tctttctaaa	300
ccaaaatagt	gtcatcttgc	tttgtacata	aatcatacct	gctttttttg	tcattgctca	360
aaagggttat	tctggaatgt	ccttcgacca	ccttgtagat	ttatatattc	tttattcaaa	420
tttagctcaa	gtcccatttc	caacactaag	atatttggat	accctcagct	ttcattgatg	480
tttctttttt	agtacttggt	ttgtcatttg	gcaattaggg	tgtgctacct	tgtactgttt	540
tttacttgct	tcttataaat	ctgttcagtc	aatttaacaa	atatttattg	agcgtctact	600
acatgcaagt	aactgttcta	ggaattaggg	atatagcagt	caacagcaca	gacaatctct	660
catctctttg	gcaacttcct	ctgtaccttt	aaagacaaat	atctccaaca	cctatcacgg	720
tatatgttgt	taatgatgtt	aaaatttgtt	ccaaattaac	agaaggccaa	atttaacatt	780
gaagtccaaa	tttcttggt	aataatgcaa	gtaaaaaaaa	tagatgatac	cttttggtg	840
atctgaatac	actgataact	ggctggacgc	ggtggatcat	gcctgtaatc	ccagcacttt	900
gagaggccga	ggcgggcgga	tcacctgagg	tcaggagttg	gagaccagcc	tggccaacat	960
ggtgaaaccc	gtctctacta	aagtacaaaa	attagctagg	tgtgggtggc	catgcctgta	1020
atcccagcta	ctcaggtggc	tgaggcagga	gaatcacttg	aacctgggag	gcgagggttg	1080
cagtgaagcc	agatcacatc	actttactcc	agcctgggcg	acagagttag	actctgtcac	1140
aaaaaaaaaa	aaaaa					1155

<210> 12588

<211> 5775

<212> DNA

<213> Homo sapiens

<400> 12588

cgggtccgta	gtgggctaag	ggggagggtt	tcaaaggag	cgcacttccg	ctgccctttc	60
tttcgccagc	cttacgggcc	cgaaccctcg	tgtgaagggt	gcagtaccta	agccggagcg	120
gggtagaggc	gggcccgcac	ccccttctga	cctccagtgc	cgccggcctc	aagatcagac	180
atggcccaga	acttgaagga	cttggcggga	cggctgcccg	ccgggccccg	gggcatgggc	240
acggccctga	agctgttgct	ggggggccggc	gccgtggcct	acggtgtgcg	cgaatctgtg	300
ttcacccgtg	agcaacctcc	gcctgctcgc	cggacgcttc	cagtcctcc	cccaaaccct	360
ttgccctgtc	cccgcgcccc	tccacggggc	tagcatttcc	tctgagcagc	ggcctggcct	420
gatcaccacc	catctcccca	cagtggaaag	cgggcacaga	gccatcttct	tcaatcgga	480
cgggtggagt	cagcaggaca	ctatcctggc	cgagggcctt	cacttcaggt	aatggcgggc	540
agagcctgct	gaccctgacc	tttcacctt	gacgccgacc	cagcagtggc	tatagtcgga	600
cgtgcaacag	gattcaacgc	tgtctttttc	ccaccctcct	catccctgcc	cctaggatag	660
tgggtgctgc	gagaacctcc	agcagcatac	aaactgttgt	tttccagagg	gacaagagaa	720
tctctccttg	tctgtggtcg	tggagaggag	caggccaaaa	aacgcgtggg	gaggggaaac	780
cgggcaaggc	tagtgaaact	gcggcctttt	cttttttttt	ttttggagag	ggagtcttgc	840
tctgtcgccc	aggctggagt	gcagtggcgc	gatctcggct	cactgcaacc	tccgcctcct	900
gatttcaagg	gattctcctg	cctcagcctc	acgagtagct	gggattacag	gcgcccgcga	960
ccacgcccgc	ctaatttttg	tatttttagta	gagacggggt	ttcactatgt	agatcaagct	1020
ggtctcgaac	tcttgacctc	aaatgatccg	cccgcctcgg	cctcccaaag	tgctgggatt	1080

acaggcgtga	gccaccgcgc	ccggccgaaa	ctgtggcctc	ttaataccta	tccctgtcct	1140
ctccaggatc	ccttggttcc	agtaccccat	tatctatgac	attcggggcca	gacctcgaaa	1200
aatctcctcc	cctacaggct	ccaaaggtag	gtctgagcac	ttggtaatca	catggcaggt	1260
gggatgatca	aggtagctgg	caagaaaccc	caggggaata	tggtagtgtc	aggccttttag	1320
gcctctttcc	acatctgcaa	gagctgtaac	aaaaatacct	gcctcctggg	gtcaaagcag	1380
caaattctga	acacactgtg	tttgcggtgt	ttttactgtc	tcctccctga	cgtgtattca	1440
ataagagtat	tgtttgcctc	tcgtcttgtt	cactgcctag	atcaaagctt	tgttttaaag	1500
cctttttttt	ctaactgctt	gacttactat	atctacagtt	acatccacta	gtacactctg	1560
ttctggagaa	gtttgtccct	aagcttgact	agttcacctg	ttctctcctt	ctagaccata	1620
cataaaagcc	gtgcctttga	gttccccaga	cctcttcctc	ctccccaccc	acgcacacat	1680
atacaccttg	ggtcaggtag	ctcacctgta	acctgtaatg	tacttctttg	tgctataacct	1740
agtgcaggte	gcttattcat	ttactagact	gggccttggt	aataaaagat	tcattaaaca	1800
caattcttgt	cccccaagtc	cttacaggag	acatgattac	ggtacagcac	gaaagcgccc	1860
acgttagagg	ttgcacagag	tacagagggg	gaaagagtag	tcagctctgc	tggtgacggg	1920
gtttgcagtt	caaggcttca	cagtgggtga	gggtgcattt	cagctgtgct	gcgtcttgtc	1980
ttcctttgtca	gcctgattaa	ctctcctccc	cccagggtag	tgccaggctg	tacaccattg	2040
cacagggcac	acagggagga	acatgaagga	gaaaatgctt	gggaaagggt	gtttggcctt	2100
gaccagccac	tgctgacctc	aatctcagac	ctacagatgg	tgaatatctc	cctgcgagtg	2160
ttgtctcgac	ccaatgctca	ggagcttcc	agcatgtacc	agcgcttagg	gctggactac	2220
gaggaacgag	tggtgccgtc	cattgtcaac	gaggtgctca	agagtgtggt	ggccaagttc	2280
aatgcctcac	agctgatcac	ccagcggggc	caggtctgac	tcaccaccac	atctgcgtgg	2340
tgtcagcctt	tccttccctag	gcccagagta	ttgggaatta	ggaaaggcag	cttattagaa	2400
aagcattgtc	accctagtgc	catttccacc	taaaagctgt	gctaattgcc	actgtgaaat	2460
aaggagagcc	agcattagaa	ctcgatagca	ctcgggtgta	ggaagcacag	aggaaaatgg	2520
ccaagtcttg	gcttttctcg	cacctcttcg	agcagagagg	cttatgttac	aggttttgct	2580
gacaggaaagc	taaggcagtg	catggtgtat	tgagagtga	gggttagggg	tcgcaacctt	2640
cctttcagct	ccccagtcct	ctcaaaccac	ccctcccttc	ccctcttcac	ccctgcccctc	2700
aggtatccct	gttgatccgc	cgggagctga	cagagagggc	caaggacttc	agcctcatcc	2760
tggtatgatg	ggccatcaca	gagctgagct	ttagccgaga	gtacacagct	gctgtagaag	2820
ccaaacaagt	gggtgagtcg	caagagccgt	gggtgagggg	cttctgagat	gcaggaggag	2880
gaaagactcc	atgggtgggg	ctcctgaccc	aggacagggt	ctccctgact	ctctcccacc	2940
acagcccagc	aggaggccca	gcgggcccac	ttcttggtag	aaaaagcaaa	gcaggaacag	3000
cggcagaaaa	ttgtgcaggc	cgagggtgag	gccgaggctg	ccaagatgat	atccttctgc	3060
tggagagatc	tcagcccagc	ccctaggggc	cctgagttcc	ccattctcct	tcattgggcag	3120
gctgatgaga	ctaaggcgaa	tgcgactccg	tgctctctgg	cccttggtgc	cttgttgggg	3180
gtggggacta	cagatgagat	ctgaaatctt	agtggtagta	cctgagccat	gactccccac	3240
tgtaaggcca	gatcaatagc	attgggtggc	ttgccttcat	ttctggtgct	gcccctagtt	3300
cctggcagca	gcctgcaggg	aggcccacag	gtgggggtcca	cggtagggct	gggcacaagc	3360
cacctgagcg	caaccttgga	tctgacagcc	cagaggagga	ctggagcaag	ggagtgtggt	3420
aaggacaggg	ccagggattg	agacctgccc	ttgcgtgtac	cttaaccctc	ctcaccttgg	3480
agaagcactg	agcaagaacc	ctggctacat	caaacttcgc	aagattcgag	cagcccagaa	3540
tatctccaag	acggtgagtg	tgctagccca	gcgtctctga	tggggctgcc	ttgagaaagt	3600
gctttcagtt	aaggcacatt	gaggtgaggg	aattcgaacc	ttgcttgttc	cggttttctac	3660
tcagattggc	ttctctggcc	ggcgcggtgg	ctcacgcagtg	taatccccgc	actttggggag	3720
gccaagggtg	gtggatcacc	tgaggctcagg	agttcgagac	cagcctggcc	aacatggtga	3780
aaccccatct	ctactaaaaa	tacaaaagat	aatgagcccg	ctgtggtggc	gtttagctat	3840
attcccagct	acgcaggagg	ctgaggcagg	agaatcactt	gaaccagga	ggcggaagtt	3900
gcagtgagct	gagatcatgc	cactgcactc	cagcctgagc	aacagagcaa	gactccgtct	3960
caaaaataaa	taataaaaaa	attggcttct	ccgatactcc	tcctgtcaag	aatgattcct	4020
ctgggttccc	tgaccttttg	ttctaatacat	agctgctgct	cagcgctctg	gatccctaag	4080
tgcgagcaga	aacctagtgt	tactcattgc	tgcaccctgt	ccctaactctg	catgtgttcc	4140
atggttaagta	gctgctgaat	tgcaggggtc	ggaattgagg	tccttgctta	atgcaagcat	4200
ctgtcttatt	tcctgccttg	tagatcgcca	catcacagaa	tcgtatctat	ctcacagctg	4260
acaaccttgt	gctgaacctc	caggatgaaa	gtttcaccag	gtgagagatg	tgccacact	4320
gtggggtatc	accaagaacg	tgggacctga	gtctggttgt	ttgggctctg	gagcctgcta	4380
cagctattca	tatggctcag	agacattgaa	ccaaaattag	aaaagggggg	ggttgacagt	4440
ttctatcttg	catctcatag	gattgatttt	atgagatcaa	ataggattat	tcacataaaa	4500
agcactttta	ttataaagtt	ttcatctaac	caaaaagtga	tgaaagatga	tactcagttt	4560
tcttactcaa	gagccctcaa	actcctctgg	tgaatggagg	gatgttagga	aaggagatga	4620
gaaatagcag	tggccatgag	aacatgcctc	ctcctttcat	gagcctgaga	ttcctggctg	4680
tcaacctgtg	ttatcttttc	tcttggggagc	aaaggagggt	tcaaagctga	gtggggcctg	4740

aagctgtcaa	ttaacatgtg	catttctctt	ctctgtttct	tgttcattctg	gcgatctggc	4800
accacagggg	aaggttaagct	gttggttgctt	ctgtgggggtc	ctgcaggcca	ccttctccag	4860
taccgcctc	ctaccctacc	ccctttccca	cctccccgaa	gacaaaccct	caatcagggt	4920
aggagggctg	tagaggggaat	ggcctagagt	gtcctgcctc	tcacatttat	gtcccctaata	4980
aatgtcatta	tctatctttt	ttttcctaca	gtgacagcct	catcaagggt	aagaaatgag	5040
cctagtcacc	aagaactcca	ccccagagg	aagtggatct	gcttctccag	tttttgagga	5100
gccagccagg	ggtccagcac	agccctaccc	cgccccagta	tcagcgatg	gtccccaca	5160
ccggttccct	gaaccctct	tggattaagg	aagactgaag	actagccct	tttctgggga	5220
attactttcc	tcctccctgt	gttaactggg	gctgttgggg	acagtgcgtg	atttctcagt	5280
gatttcctac	agtgtgtt	cctccctcaa	ggctgggagg	agataaacac	caaccagga	5340
attctcaata	aatttttatt	acttaacctg	aagtcaaggc	ttcacgtgtt	catgaactgg	5400
gtaactggca	gcaagcatgc	gcacgttcac	atgtgcgctc	ctgggtctgt	ctttgtgtgt	5460
gccagcaggg	ggcgcaaaaag	aatctggctg	gggaggctaa	ggggaagcaa	ggcctgggct	5520
ccgaaacagg	acccaagctg	ggaaggctgg	ccctgagttc	tcgaggccca	gctgtgctct	5580
tcacacaccc	tccatttctc	ccacatcacc	cattttttta	aggctggaca	gccatggctt	5640
tgctgagcca	gattaaaaat	ctgatgaccc	caacaggagc	tgcttccttg	gcagcagggt	5700
tccttggtgc	tgtggggagc	ctgcctgtgc	ctgttgaggc	acttctgtgc	ccagaagccc	5760
agtggatcgc	gtggc					5775

<210> 12589  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<400> 12589						
ctggagcccg	gggtcctccg	ctcaactcag	gacgttgagg	ctgcattgag	ccaagatcat	60
acctctacac	tccagcatgg	gcaaaagagc	aagattctgt	ctcaaaaata	aataaataaa	120
ttttgttttt	aattagccag	gcatgatggc	atgcacctgt	agtcccagct	attcaggaga	180
ccaaggtggg	aggatcattt	gagcccagga	atttgagact	gcagtgaact	atgatgatgc	240
cactgcattc	caacctagat	gacagaagga	gacctcatct	ctaaaaataa	atatatatat	300
tttttccaac	cactttttat	ctatacccca	atgtcttaca	ttccataaaa	catcatgttt	360
tgaattccag	tataacttta	tcgttaaaca	tgtttctttg	cagaagcatg	tataagttag	420
ggtcacaag	attatttgca	taagctaatt	tacaaaaaaa	attatataat	cactgacatg	480
aaagcatgtc	tgggcagcca	tgggagctca	tatgaggcgt	ccagttcagt	cgccttttaa	540
aaatgatatt	tgcattagct	gggcatggta	gcatgtgtct	gtagtcccag	ctactcaggg	600
gactgaagtg	agaggatgca	ccagagcccc	agaagtcaag	gctgcagtga	gccatgatca	660
catcactgca	ccagcctggg	caacaggagt	gaggccttgt	ctcagtcagt	caatcaatca	720
atcaataatg	gtatttgg					738

<210> 12590  
 <211> 1155  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1139)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1142)  
 <223> n equals a,t,g, or c

<400> 12590						
tagagtgtac	ttacacaacc	ctagatggta	tagcctgcta	catacctagg	ctatatggca	60
tagcctattg	ctcctaggct	gcaaacctgt	atagcatgtt	actatatgga	atactgtagg	120
cagatgtaac	acaagacgaa	tatttggtga	tctaaacata	tccaagccat	aaacgtagag	180
aaggtacagc	caaattatgg	tataacctta	tggttatagt	tatgggacca	ccatcatgta	240

tatatgggta	atcattgact	gaagtgtcat	tgttcaacac	atgcctgtac	tctttctaaa	300
ccaaaatagt	gtcatcttgc	tttgtacata	aatcatacct	gctttttttg	tcattgctca	360
aaagggttat	tctggaatgt	ccttcgacca	ccttgtagat	ttatatattc	tttattcaaa	420
tttagctcaa	gtcccatttc	caacactaag	atatttggtg	accctcagct	ttcattgatg	480
tttctttttt	agtacttggt	ttgtcatttg	gcaattaggg	tgtgctacct	tgtactgttt	540
tttacttgct	tcttataaat	ctgttcagtc	aatttaacaa	atattttattg	agcgtctact	600
acatgcaagt	aactgttcta	ggaattaggg	atatagcagt	caacagcaca	gacaatctct	660
catctctttg	gcaacttcct	ctgtaccttt	aaagacaaat	atctccaaca	cctatcacgg	720
tatatgttgt	taatgatggt	aaaatttgtt	ccaaattaac	agaaggccaa	atttaacatt	780
gaagtccaaa	tttcttggct	aataatgcaa	gtaaaaaaa	tagatgatac	cttttggctg	840
atctgaatac	actgataact	ggctggacgc	ggtggatcat	gcctgtaatc	ccagcacttt	900
gagaggccga	ggcgggcccga	tcacctgagg	tcaggagtgt	gagaccagcc	tggccaacat	960
ggtgaaaccc	gtctctacta	aagtacaaaa	attagctagg	tgtggtggca	catgcctgta	1020
atcccagcta	ctcaggtggc	tgaggcagga	gaatcacctg	aacctgggag	gcgagggttg	1080
cagtgaagcc	agatcacatc	actttactcc	agcctgggag	acagagtgtg	actctgtcnc	1140
aaaaaaaaaa	aaaaa					1155

<210> 12591  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 12591						
cgagttttgt	attgtcattc	ttgaataagc	cacaattgtg	tgtgtgtgtg	cgtgcgtgtg	60
tattttcggg	acgaaattgt	tccacctcac	atcatcaggc	gtagatttct	tgggagtgcc	120
gcacaaccta	gacccctcgc	atgggctgtt	cacagtagga	tccgtgctcc	tatgagaatc	180
agcgtttgct	ctgatctgac	aggaagcgga	gctcagcggg	taatgctggc	ttgcctgctg	240
ctcacctc						248

<210> 12592  
 <211> 1443  
 <212> DNA  
 <213> Homo sapiens

<400> 12592						
cccaagctcc	cttggactct	gtatgttcca	actgcatact	gtgcttatgc	taatgaattt	60
cgttggtgcc	ttgtctgtcc	ctctgacttt	gaagacagag	gcagtgtgta	cagatgtttg	120
acacagtgcc	cagtacatat	atgatcttaa	tatttgttga	ctattaacat	cgttggtatt	180
gttaataatt	atagaatgta	ctgttaactt	tttttaactt	tttaaaaaat	cttgtttttt	240
atagcctcaa	ggaatagggt	ctcctagtgt	ctatcatgca	gttatcgtca	tcttttttga	300
gttttttgc	tggggactat	tgacagcacc	caccttgggt	gtaagtaatc	ttttaaatta	360
tttaacactg	actccaaaat	ctcttcttct	tcagtttttg	aggaaaatgt	gggccttttc	420
cctttgcacg	gttaattctc	ccaccagtat	tgttcagtat	tcaccagtat	tttactgggt	480
gtcttttcca	actgttaact	ctcccttacc	tttttttggg	aggggggtgg	cgtggagggtg	540
tttgaatttg	gacttgtcac	tgggcatgtt	caagcagagg	ctctgttaact	actctgagta	600
aatggaaga	gattcttaaa	ccgacagggt	tagaaaagat	gatgtctgtg	acctgcatga	660
ctcggcataa	ttactttgag	gttcattttat	gcagctgtac	tttccaaaaa	cagggtttctg	720
ttcatttggg	ctaagtacct	agaagggtta	ttctttaata	gatctaagct	gatttttacc	780
aaattctccc	aggtttgaaa	cttttagaaaa	gacctccctg	cccgaacaaa	caactcagaa	840
gatagccagt	tttcttatat	tgggtgtagt	aaggggaatg	gaaggaggga	aggactatct	900
atggtaaata	tctataccat	cttgaaagga	gtaattatga	taaatgtaca	gtttaccaaa	960
tcctagagga	atagagtttt	aaagtaatat	actatgtttt	catgaagggt	tttataaaaa	1020
agttatttaa	tagaaaaatt	atgtaagtag	attgaactag	cctaagaaca	tttacagtac	1080
atatttcttg	atatattttat	tgacagctgt	gtaattgtta	ctatctatac	ataaaaatatt	1140
gatgttttag	agttgcttat	gcctgtaatc	ccagcatttt	gggagggtgg	gtgggcagat	1200
cgcttgagct	ctggagttga	gaccagcctg	ggcaacatgg	taaaaccttg	tctctacaaa	1260
aatgcaaaa	attagttgtg	catggtggca	tatgtttgtg	gtcccagcta	ctcgggaggc	1320
taaggcagga	gaatcacctg	agccagggag	gcagaggttg	tagtgacctg	atatcgtgcc	1380
accacactcc	agcctgggag	acgggaggtg	aacctgtctc	caaaaaaaaaa	aaacaaaaaa	1440

aaa

1443

<210> 12593  
<211> 1443  
<212> DNA  
<213> Homo sapiens

<400> 12593  
cccaagctcc cttggactct gtatgttcca actgcatact gtgcttatgc taatgaattt 60  
cggtgttgcc ttgtctgtcc ctctgacttt gaagacagag gcagttagta cagatgtttg 120  
acacagtgcc cagtacatat atgatcttaa tttttgttga ctattaacat cggtgttatt 180  
gttaataatt atagaatgta ctgtttactt tttttaactt tttaaaaaat cttgtttttt 240  
atagcctcaa ggaatagggt ctcctagtgt ctatcatgca gttatcgtca tcttttttgg 300  
gtttttttgt tggggactat tgacagcacc caccttgggt gtaagtaatc ttttaaatta 360  
tttaacactg actccaaaat ctcttcttct tcagtttttg aggaaaatgt gggccttttc 420  
cctttgcacg gttaattctc ccaccagtat tgttcagtat tcaccagtat tttactgggt 480  
gtcttttcca actgttaact ctcccttacc ttttttttgg aggggggtgg cgtggagggt 540  
tttgaatttg gacttgtcac tgggcatgtt caagcagagg ctctgtaact actctgagta 600  
aaatggaaga gattcttaaa ccgacagggt tagaaaagat gatgtctgtg acctgcatga 660  
ctcggcataa ttactttgag gttcatttat gcagctgtat tttccaaaaa caggtttctg 720  
ttcattttgg ctaagtacct agaagggtcta ttctttaata gatctaagct gattttacct 780  
aaattctccc aggtttgaaa ctttagaaaa gacctccctg cccgaccaa caactcagaa 840  
gatagccagt tttcttatat tgggtgtagt aagggggaat gaaggaggga aggactatct 900  
atggtaaata tctataccat cttgaaagga gtaattatga taaatgtaca gtttaccaaa 960  
tcctagagga atagagtttt aaagtaatat actatgtttt catgaagggt tttataaaaa 1020  
agttatttaa tagaaaaatt atgtaagtag attgaactag cctaagaaca tttacagtac 1080  
atatttcttg atatatatat tgacagctgt gtaattgtta ctatctatac ataaaaatatt 1140  
gatgttttag agttgcttat gcctgtaatc ccagcatttt gggaggctgg gtgggcagat 1200  
cgcttgagct ctggagttga gaccagcctg ggcaacatgg taaaaccttg tctctacaaa 1260  
aaatgcaaaa attagttgtg catgggtggca tatgtttgta gtcccagcta ctcgggaggc 1320  
taaggcagga gaatcacttg agcccaggag gcagagggtg tagtgacctg atatcgtgcc 1380  
accacactcc agcctgggag acgggagtga aaccttgtct caaaaaaaaa aaacaaaaaa 1440  
aaa 1443

<210> 12594  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 12594  
aaactgctcc attgtcatat gtgacactgt attctcttca ctctcctgat attttcttac 60  
tgttcctttt atcttctctt tttctttatc aaagaagaaa aaccttcact attttctgt 120  
gcctcctact taaaatgttg gcgcttcttg gggttctgtc tcagccact gctgttttca 180  
cacttgacac tcctgataat ctcatctact ctgggtggtt cagatatcac atttgctgct 240  
aattgtttta atcagtgtc aaagacaata caaatgtttc aagtaaagag ggcagttttg 300  
tagataggac ctgaagtaaa tctgagcctc gtggggggaa gtgctgggaa gccaccagct 360  
ttaactgcta gacaaccaag ctaaacactt ggaagtgtt cttgattctc ccttccgcta 420  
tttatcaagc tcctcccaat ttcaaactct gaatccttaa tccgt 465

<210> 12595  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 12595  
aaactgctcc attgtcatat gtgacactgt attctcttca ctctcctgat attttcttac 60  
tgttcctttt atcttctctt tttctttatc aaagaagaaa aaccttcact attttctgt 120  
gcctcctact taaaatgttg gcgcttcttg gggttctgtc tcagccact gctgttttca 180

cacttgacac	tcctgataat	ctcatctact	ctgggtgggtt	cagatatcac	atttgctgct	240
aattgtttta	atcagtgttc	aaagacaata	caaagtgttc	aagtaaagag	ggcagttttg	300
tagataggac	ctgaagtaaa	tctgagcctc	gtgggggggaa	gtgctgggaa	gccaccagct	360
ttaactgcta	gacaaccaag	ctaaacactt	ggaagtgtgt	cttgattctc	ccttccgcta	420
tttatcaagc	tcctcccaat	ttcaaatcct	gaatccttaa	tccgt		465

<210> 12596  
 <211> 1999  
 <212> DNA  
 <213> Homo sapiens

<400> 12596

ccgccttaac	tttaaattca	gatactttta	attcctttggt	tatggtttgt	tggttgctac	60
cactgtgggt	cactgtctta	tccttcccag	tagggataga	tgtggctgct	cttctgattt	120
tcacctcctc	ttactaattt	accctgtggt	gggaaacaca	tcaactgata	gtgttatttc	180
atgttaagta	aaggcaata	gccaccttcc	tcatttgact	gaaactcaat	gtgtcacatt	240
ctacctcttt	tcttagtcct	taaggatttc	tgtcatctgt	tagtctgcag	gctcttaagg	300
tcaggctctg	tcttcccttc	atctttgaag	cttctactct	tgtgcttccc	tcttgatgta	360
ggccctgaat	cactgttttg	ttgactagga	gagcacatga	actgtttgtg	caacctctca	420
agctccggtt	gaaatggaag	atgatcatac	atcttgtggc	accctttttt	cccagatccc	480
aagcttccgg	gcaccttttc	tttcttcacc	tccacagatg	ctgccttcac	ccaccttttg	540
atgaaccatc	ttgatcaact	gccaagaatg	tcaagggcat	ttctaacgcc	agggcaacag	600
ctatgagcac	ttatgagacc	acatcaggtt	tgactcctga	acgaaggatg	tccttatcca	660
tggctctctt	ttcctggcag	gcactctgct	gttatttttg	aaattttctc	tgggccgtag	720
aggtttgaac	cagtcattgc	taggagcggt	tgttttctca	ggaaaagcaa	ccctgttaaa	780
gccattgttt	taaaaagtca	cttgagcat	taaaaacctt	tgaccatcca	ttcatagtgc	840
taaaatttag	gagtggggct	tcaggcaagc	aatattgaat	taaatgtgtg	gagcacttta	900
agacagcatt	tgattgtaca	tttaaaatag	ggaatgcaaa	ttgaaattcc	tcctgggtgc	960
tttaaatcat	gcattatatg	tgcagtattt	tcaattagct	gcagaaaaaa	atatgttcgg	1020
tgtggctgta	tttttacagc	tgggaattgc	tcagagaaca	caattgacta	tttcatccat	1080
gtgagattta	tttaaattgac	tcgtggggca	tttgcagttt	agccaataat	tgaaaaatatt	1140
gttgcaatgt	ggcaggtaaa	actaggaaat	catttcgcac	tcctgcagag	gtgttccaag	1200
ctcagcagca	tattatatta	gttgaagagg	ggcaaacgga	gtgagatcag	tggttgagtc	1260
tagtctttca	catttctattc	ctgggttttg	ccccaccatg	gaaatatatg	ggatgggtgct	1320
ttccagaagg	acctgaaacg	ctaagggtgt	atcttgtttc	tattctgttt	ttatatgcca	1380
aacacaaatg	aatgggtcaga	ccagatatgg	aaagacctat	ctatccccc	actctcttct	1440
gactcctata	cctttctttc	tattcttctg	accatttcac	ttcagacgtc	acctggaata	1500
ctgatgcagg	aggctaagct	gagtcctctc	gggtagacag	ttcaaccttt	ccatgggtgt	1560
tcataaatat	tactagggat	ttggaatgca	tgttcccact	aaaatgatgt	aaatgtgggt	1620
aagtgatacc	atattaaaaa	gcacattact	ttgtgtgatt	cagacaaagt	atgggttaac	1680
taggcatttt	gaaggcagaa	ttaaaatac	aaccaccacc	actttctctg	taatagtggg	1740
tgccaaccag	gggtgatcct	tcctctctcc	ttcagggaca	ttgtcagtg	tctccagaca	1800
tttggttggt	ccatctgggt	ggggtgctat	tagcatctct	tgagtaaagg	ccaggataac	1860
tgctaaacat	tctgcaatac	acaggatagc	cccctacaat	gaataattat	ccagaccac	1920
atggcaagag	tgacaagggt	gtgaaacttt	gctctagaaa	tgtgtacatt	cttttttttt	1980
ttttaaaaaa	aaaaaaaaa					1999

<210> 12597  
 <211> 1999  
 <212> DNA  
 <213> Homo sapiens

<400> 12597

ccgccttaac	tttaaattca	gatactttta	attcctttggt	tatggtttgt	tggttgctac	60
cactgtgggt	cactgtctta	tccttcccag	tagggataga	tgtggctgct	cttctgattt	120
tcacctcctc	ttactaattt	accctgtggt	gggaaacaca	tcaactgata	gtgttatttc	180
atgttaagta	aaggcaata	gccaccttcc	tcatttgact	gaaactcaat	gtgtcacatt	240
ctacctcttt	tcttagtcct	taaggatttc	tgtcatctgt	tagtctgcag	gctcttaagg	300
tcaggctctg	tcttcccttc	atctttgaag	cttctactct	tgtgcttccc	tcttgatgta	360



ggccctgaat	cactgttttg	ttgactagga	gagcacatga	actgtttgtg	caacctctca	420
agctccggtt	gaaatggaag	atgatcatac	atcttgtggc	accccttttt	cccagatccc	480
aagcttccgg	gcaccctttc	tttcttcacc	tccacagatg	ctgccttcac	ccaccctttg	540
atgaaccatc	ttgatcaact	gccaaagaatg	tcaagggcat	ttctaacgcc	agggcaacag	600
ctatgagcac	ttatgagacc	acatcagggt	tgactcctga	acgaaggatg	tccttatcca	660
tggctctctt	ttcctggcag	gcactcttgc	gttatatttg	aaattttctc	tggggccgtag	720
aggtttgaac	cagtcagtgc	taggagcggt	tgttttctca	ggaaaagcaa	ccctgttaaa	780
gccattgttt	taaaaagtca	cttggagcat	taaaaacctt	tgaccatcca	ttcatagtgc	840
taaaattttag	gagtggggct	tcaggcaagc	aattattgaat	taaatgtgtg	gagcacttta	900
agacagcatt	tgattgtaca	tttaaaatag	ggaatgcaaa	ttgaaattcc	tcctgggtgc	960
tttaaatcat	gcattatatg	tgcagtattt	tcaattagct	gcagaaaaaa	atatgttcgg	1020
tgtggctgta	tttttacagc	tgggaattgc	tcagagaaca	caattgacta	tttcatccat	1080
gtgagattta	tttaaatgac	tcgtggggca	tttgagttt	agccaataat	tgaaaatatt	1140
gttgcaatgt	ggcaggtaaa	actaggaaat	catttcgcac	tcctgcagag	gtgttccaag	1200
ctcagcagca	tattatatta	gttgaagagg	ggcaaacgga	gtgagatcag	tgttgagtcc	1260
tagtctttca	catttcattc	ctgggttttg	ccccaccatg	gaaatatatg	ggatgggtgc	1320
ttccagaagg	acctgaaacg	ctaagggtgt	atcttgtttc	tattctgttt	ttatatgcca	1380
aacacaaatg	aatggtcaga	ccagatatgg	aaagacccat	ctatccccc	actctcttct	1440
gactcctata	cctttctttc	tattcttctg	accatttcac	ttcagacgtc	acctggaata	1500
ctgatgcagg	aggctaagct	gagtctctca	gggtagacag	ttcaaccttt	ccatgggtgt	1560
tcataaatat	tactagggat	ttggaatgca	tgttccact	aaatgatgt	aaatgtgggt	1620
aagtgatacc	atattaaaat	gcatacattac	ttgtgtgatt	cagacaaagt	atgggttaac	1680
taggcatttt	gaaggcagaa	ttaaaatact	aaccaccacc	actttctctg	taatagtgg	1740
tgccaaccag	gggtgatcct	tcctctctcc	ttcagggaca	tttgtcagtg	tctccagaca	1800
tttggttgg	ccatctgggt	gggtgtctat	tagcatctct	tgagtaaagg	ccaggaatac	1860
tgctaaacat	cttgcaatgc	acaggatagc	cccctacaat	gaataattat	ccagaccac	1920
atggcaagag	tgacaagggt	gtgaaacttt	gctctagaaa	tgtgtacatt	cttttttttt	1980
ttttaaaaaa	aaaaaaaaa					1999

<210> 12598

<211> 1919

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (735)

<223> n equals a,t,g, or c

<400> 12598

tatccttccc	agtagggata	gatgtggctg	ctcttctgat	tttcacctcc	tcttactaat	60
ttaccctgtg	gtgggaaaca	catcaactga	tagtgttatt	tcatgttaag	taaaggcaaa	120
tagccacctt	cctcatttga	ctgaaactca	atgtgtcaca	ttctacctct	tttcttagtc	180
cttaaggatt	tctgtcatct	gttagtctgc	aggctcttaa	ggtcaggctc	tgtcttccct	240
tcactcttga	agcttctact	cttgtgcttc	cctcttgatg	tagggccctga	atcactgttt	300
tgttgactag	gagagcacat	gaactgtttg	tgcaacctct	caagctccgt	ttgaaatgga	360
agatgatcat	acatcttgtg	gcaccctttt	ttcccagatc	ccaagcttcc	gggcaccctt	420
tctttcttca	cctccacaga	tgtgccttc	acccaccctt	tgatgaacca	tcttgatcaa	480
ctgccaagaa	tgtcaagggc	atttctaacg	ccagggcaac	agctatgagc	acttatgaga	540
ccacatcagg	tttgactcct	gaacgaagga	tgtccttate	catgggtctct	ttttcctggc	600
aggcatcttg	ctgttatatt	ggaaattttc	tctgggccgt	agaggtttga	accagtcatg	660
tctaggagcg	tttgttttct	caggaaaagc	aacctgttta	aagccatttt	gtttaaaagt	720
cacttgagac	attanaaacc	tttgaccatc	cattcatagt	gctaaaattt	aggagtgggg	780
ctcaggcaag	caatattgaa	ttaaatgtgt	gagcacttta	agacagcatt	tgattgtaca	840
tttaaaatag	ggaatgcaaa	ttgaaattcc	tcctgggtgc	tttaaatcat	gcattatatg	900
tgcagtattt	tcaattagct	gcagaaaaaa	atatgttcgg	tgtggctgta	tttttacagc	960
tgggaattgc	tcagagaaca	caattgacta	tttcatccat	gtgagattta	tttaaatgac	1020
tcgtggggca	tttgagcttt	agccaataat	tgaaaataat	gttgcaatgt	ggcaggtaaa	1080
actaggaaat	catttcgcac	tcctgcagag	gtgttccaag	ctcagcagca	tattatatta	1140
gttgaagagg	ggcaaacgga	gtgagatcag	tgttgagtcc	tagtctttca	catttcattc	1200

ctggggttttg	ccccaccatg	gaaatatatg	ggatgggtgct	ttccagaagg	acctgaaacg	1260
ctaaggtggt	atcttgtttc	tattctggtt	ttatatgcca	aacacaaatg	aatggtcaga	1320
ccagatatgg	aaagacccat	ctatccccc	actctcttct	gactcctata	cctttctttc	1380
tattcttcgt	accatttcac	ttcagacgtc	acctggaata	ctgatgcagg	aggctaagct	1440
gagtctctca	gggtagacag	ttcaaccttt	ccatgggtgt	tcataaatat	tactagggat	1500
ttggaatgca	tggtccctac	aaaatgatgt	aaatgtgggt	aagtgatacc	atattaaaaa	1560
gcatcattac	ttgtgtgatt	cagacaaagt	atgggttaac	taggcatttt	gaaggcagaa	1620
ttaaaatact	aaccaccacc	actttctctg	taatagtggg	tgccaaccag	gggtgatcct	1680
tcctctctcc	ttcagggaca	tttgtcagt	tctccagaca	tttgggttgg	ccatctgggt	1740
ggggtgctat	tagcatctct	tgagtaaagg	ccaggaatac	tgctaaacat	tctgcaatac	1800
acaggatagc	cccctacaat	gaataattat	ccagaccac	atggcaagag	tgacaagggt	1860
gtgaaacttt	gctctagaaa	tgtgtacatt	cttttttttt	ttttaaaaaa	aaaaaaaaa	1919

<210> 12599

<211> 1999

<212> DNA

<213> Homo sapiens

<400> 12599

ccgccttaac	tttaaattca	gatactttta	attcttttgg	tatggtttgt	tggttgctac	60
cactgtgggt	cactgtctta	tccttcccag	tagggataga	tgtggctgct	cttctgattt	120
tcacctctc	ttactaat	accctgtgg	gggaaacaca	tcaactgata	gtgttatttc	180
atgttaagta	aaggcaaata	gccaccttcc	tcatttgact	gaaactcaat	gtgtcacatt	240
ctacctcttt	tcttagtcct	taaggatttc	tgtcatctgt	tagtctgcag	gctcttaagg	300
tcaggctctg	tcttcccttc	atctttgaag	cttctactct	tgtgcttccc	tcttgatgta	360
ggccctgaat	cactgttttg	ttgactagga	gagcacatga	actgtttgtg	caacctctca	420
agctccgttt	gaaatggaag	atgatcatac	atcttgtggc	accccttttt	cccagatccc	480
aagcttccgg	gcaccctttc	tttcttcacc	tccacagatg	ctgccttcac	ccaccctttg	540
atgaaccatc	ttgatcaact	gccaagaatg	tcaagggcat	ttctaacgcc	agggcaacag	600
ctatgagcac	ttatgagacc	acatcagggt	tgactcctga	acgaaggatg	tccttatcca	660
tggtctcttt	ttcctggcag	gcatcttgg	gttatttttg	aaattttctc	tgggccgtag	720
aggtttgaac	cagtcattgt	taggagcggt	tgttttctca	ggaaaagcaa	ccctgttaaa	780
gccattgttt	taaaaagtca	cttggagcat	taaaaacctt	tgaccatcca	ttcatagtgc	840
taaaatttag	gagtggggct	tcaggcaagc	aatattgaat	taaatgtgtg	gagcacttta	900
agacagcatt	tgattgtaca	tttaaaatag	ggaatgcaaa	ttgaaattcc	tcctgggtgc	960
tttaaatcat	gcattatatg	tgcagtattt	tcaattagct	gcagaaaaaa	atatgttcgg	1020
tgtggctgta	tttttacagc	tgggaattgc	tcagagaaca	caattgacta	tttcatccat	1080
gtgagattta	tttaaatgac	tcgtggggca	tttgcagttt	agccaataat	tgaaaatatt	1140
gttgcaatgt	ggcaggtaaa	actaggaaat	catttcgcat	tcctgcagag	gtgttccaag	1200
ctcagcagca	tattatatta	gttgaagagg	ggcaaacgga	gtgagatcag	tggttgagtcc	1260
tagtctttca	catttcattc	ctgggttttg	ccccaccatg	gaaatatatg	ggatgggtgct	1320
ttccagaagg	acctgaaacg	ctaagggtgt	atcttgtttc	tattctgttt	ttatatgcca	1380
aacacaaatg	aatggtcaga	ccagatatgg	aaagacccat	ctatccccc	actctcttct	1440
gactcctata	cctttctttc	tattcttcgt	accatttcac	ttcagacgtc	acctggaata	1500
ctgatgcagg	aggctaagct	gagtctctca	gggtagacag	ttcaaccttt	ccatgggtgt	1560
tcataaatat	tactagggat	ttggaatgca	tggtccctac	aaaatgatgt	aaatgtgggt	1620
aagtgatacc	atattaaaaa	gcatcattac	ttgtgtgatt	cagacaaagt	atgggttaac	1680
taggcatttt	gaaggcagaa	ttaaaatact	aaccaccacc	actttctctg	taatagtggg	1740
tgccaaccag	gggtgatcct	tcctctctcc	ttcagggaca	tttgtcagt	tctccagaca	1800
tttggttggt	ccatctgggt	ggggtgctat	tagcatctct	tgagtaaagg	ccaggaatac	1860
tgctaaacat	tctgcaatac	acaggatagc	cccctacaat	gaataattat	ccagaccac	1920
atggcaagag	tgacaagggt	gtgaaacttt	gctctagaaa	tgtgtacatt	cttttttttt	1980
ttttaaaaaa	aaaaaaaaa					1999

<210> 12600

<211> 320

<212> DNA

<213> Homo sapiens

<400> 12600  
acacctggct aatttttttt tttttttttt ttttttgaga aggagtctcg ctctgttgcc 60  
caggctggag tgcagtgggtg tgatctcagc tcaactgcaag ctccgcctcc tgggttcacg 120  
ccattctcct gtctcagcct cccaagtagc tgggactaca ggcgcccgcc accatgcccg 180  
gctaattttt tgtattttta gtagagacag ggtttcaccg tgtagccag gatggtctcg 240  
atctcctaac ctcatgatct gcccgcctcg gcctcccaaa gtgctgggat tacaggcgtg 300  
agccaccacg cccagcctaa 320

<210> 12601  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 12601  
acacctggct aatttttttt tttttttttt ttttttgaga aggagtctcg ctctgttgcc 60  
caggctggag tgcagtgggtg tgatctcagc tcaactgcaag ctccgcctcc tgggttcacg 120  
ccattctcct gtctcagcct cccaagtagc tgggactaca ggcgcccgcc accatgcccg 180  
gctaattttt tgtattttta gtagagacag ggtttcaccg tgtagccag gatggtctcg 240  
atctcctaac ctcatgatct gcccgcctcg gcctcccaaa gtgctgggat tacaggcgtg 300  
agccaccacg cccagcctaa 320

<210> 12602  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 12602  
acacctggct aatttttttt tttttttttt ttttttgaga aggagtctcg ctctgttgcc 60  
caggctggag tgcagtgggtg tgatctcagc tcaactgcaag ctccgcctcc tgggttcacg 120  
ccattctcct gtctcagcct cccaagtagc tgggactaca ggcgcccgcc accatgcccg 180  
gctaattttt tgtattttta gtagagacag ggtttcaccg tgtagccag gatggtctcg 240  
atctcctaac ctcatgatct gcccgcctcg gcctcccaaa gtgctgggat tacaggcgtg 300  
agccaccacg cccagcctaa 320

<210> 12603  
<211> 2024  
<212> DNA  
<213> Homo sapiens

<400> 12603  
tttgaataa aataccagtg aaggacatgt ttggatatct gttaagcatt tttccctgac 60  
taatgaatta ggaaagaaaa cataaaacat aaatgaatag ttatgtctct tctaataaac 120  
agtgtcatta atgtctgcagt tgtgggtcaa acttagggag ccttatttct aaatagcaaa 180  
aattctgttt tcaacttcagc ccttattttt ttttgtagt ttttctctgc actgtgatac 240  
agagctaata agaggaaatg tgacgtttca gagagagagc aagcaaattg ggtatgactt 300  
ttttacccta tgttcccaa tactggggat gtttggctac tttgaacagc agtttttagt 360  
gatctaaaagt ttagatcaat actcgtataa gagaaaaatc taactctcag tgagctccat 420  
agggcagcac agctttccat cttctcttct gccttcttgc gtctgcccac cacagtcccg 480  
aagaatgcac acgcacatat gatctgtacc catcccgccc gaagagtcac agaatcctct 540  
tctttcactt gtttcttttt tcttcgtttg tttgtttttg tttgtttgtt ttttaagctg 600  
gggaccactg aagtaagctc tgtatgcacc caaagttccc cttggaaaaa ttttcaacac 660  
gcagtgcaga aggctccagt gcagctaaat gccacacat tgggttctacc tgggggaata 720  
gactgatttg ccctaaaatg actccaacct gcacatttaa ggtacagttg gctccagtgg 780  
attagtgtcg aaatgatggg aagtctgaca cttgttgaca ttgtcttcat ctgtttgga 840  
gggttgaatc tgttcctctc aacagtgata gttcttttca ctgtatagta ttgagtatgt 900  
ctcagggatt ccttgtggaa attagggcag tttttaaaat aagaaaatag tttttaaaaga 960  
aactaaaggt gactcatcat tgaagagagc ggaagaaaga ggaaacattt ggtttttagt 1020  
ccacagtggt cttgcatagg actttttcct ttctcctcca ggctctcatc tcagcttcag 1080

aatacagaat	cctttcccat	cacgcacagc	tttaaaactt	ttattttaaaa	atttccttcc	1140
ccaatgagct	ttcagaatac	ttattgtaga	ttttaagaga	aaaggatat	taatttatgc	1200
tattaacatc	acctcataaa	ttataagttt	tatactaaag	ctgtatcgag	tgtaatgaat	1260
tatgttgctt	atgtgtttta	tagctaaata	tatatgagct	tttttttttt	tttttttttt	1320
tgacaaaaca	aactagtga	gcaccttttt	acactggatc	tctgccgtgt	caagggtgat	1380
agctatcctt	tgctaccttg	cagatatata	aaataaaagg	atatcctggg	gcctcaaaat	1440
gtagaacacc	tttagaccat	ttataactgt	tcctagaact	gttgagaatc	atgttcttta	1500
gtaaatgata	tgtggtttac	acttaagatg	gctagaagct	tagttacagg	gtacatagaa	1560
atacatagat	caagtaaaac	tccaactact	gtagctggaa	tttgtaaact	aagtttgtaa	1620
gacctctttt	atttcctatg	gagttattct	tttaatttaca	gtttattctg	taagttggga	1680
agtaaaatag	agaaaataat	aaatctagat	gttctcagtg	tcttattcag	gaacttttta	1740
tccctcctca	ctaaggaatt	cccactgtga	ctttaaaata	gaactaaatt	acttgtgtgc	1800
atgtatatgt	ctgtattttt	tacacacatg	caaaaatata	cattggggggc	acgtgtgtga	1860
gagatatgaa	tgtgtgctta	tataaaaata	gataaaggta	accgaatgta	ttgtagaaac	1920
atgattttatt	tagttgaggg	tattggagtt	actttctcat	tgtctctggt	gtataaatac	1980
accaaattaa	tcattatggt	atccttatggt	aaaaggctag	ctct		2024

<210> 12604  
 <211> 2024  
 <212> DNA  
 <213> Homo sapiens

<400> 12604						
tttgtaataa	aataccagtg	aaggacatgt	ttggatatct	gttaagcatt	tttccctgac	60
taatgaatta	ggaaagaaaa	cataaaacat	aaatgaatag	ttatgtctct	tctaataaac	120
agtgtcatta	atgctgcagt	tgtgggtcaa	acttagggag	ccttattttct	aaatagcaaa	180
aattctgttt	tcacttcagc	ccttattttt	ttttgttagt	ttttctctgc	actgtgatac	240
agagctaata	agaggaaatg	tgacgtttca	gagagagagc	aagcaaattg	ggtatgactt	300
ttttacccta	tgttcccca	tactggggat	gtttggctac	tttgaacagc	agtttttagt	360
gatctaaagt	ttagatcaat	actcgtataa	gagaaaaatc	taactctcag	tgagctccat	420
agggcagcac	agctttccat	cttctctttc	gccttcttgc	gtctgcccac	cacagtcccg	480
aagaatgcac	acgcacatat	gatctgtacc	catcccgcgc	gaagagtcac	agaatcctct	540
tctttcactt	gtttcttttt	tcttcgtttg	tttgtttttg	tttgtttgtt	ttttaagctg	600
gggaccactg	aagtaagctc	tatatgcacc	caaagttccc	cttggaaaaa	ttttcaacac	660
gcagtgcaga	aggctccagt	gcagctaaat	gccacaccat	tggttctacc	tgggggaata	720
gactgatttg	ccctaaaatg	actccaacct	gcacatttaa	ggtacagttg	gctccagttg	780
attagtgtctg	aaatgatggg	aagtctgaca	cttggtgaca	ttgtcttcat	ctgtttgga	840
gggttgaaatc	tgttcctctc	aacagtgtga	gttcttttca	ctgtatagta	ttgagtatgt	900
ctcaggggatt	ccttggtggaa	attagggcgag	tttttaaaat	aagaaaatag	ttttaaaaga	960
aactaaaggt	gactcatcat	tgaagagagc	ggaagaaaga	ggaaacattt	ggtttttgtg	1020
cccacagtgt	cttgcatagg	actttttcct	ttctcctcca	ggctctcacc	tcagcttcag	1080
aatacagaat	cctttcccat	cacgcacagc	tttaaaactt	ttattttaaaa	atttccttcc	1140
ccaatgagct	ttcagaatac	ttattgtaga	ttttaagaga	aaaggatat	taatttatgc	1200
tattaacatc	acctcataaa	ttataagttt	tatactaaag	ctgtatcgag	tgtaatgaat	1260
tatgttgctt	atgtgtttta	tagctaaata	tatatgagct	tttttttttt	tttttttttt	1320
tgacaaaaca	aactagtga	gcaccttttt	acactggatc	tctgccgtgt	caagggtgat	1380
agctatcctt	tgctaccttg	cagatatata	aaataaaagg	atatcctggg	gcctcaaaat	1440
gtagaacacc	tttagaccat	ttataactgt	tcctagaact	gttgagaatc	atgttcttta	1500
gtaaatgata	tgtggtttac	acttaagatg	gctagaagct	tagttacagg	gtacatagaa	1560
atacatagat	caagtaaaac	tccaactact	gtagctggaa	tttgtaaact	aagtttgtaa	1620
gacctctttt	atttcctatg	gagttattct	tttaatttaca	gtttattctg	taagttggga	1680
agtaaaatag	agaaaataat	aaatctagat	gttctcagtg	tcttattcag	gaacttttta	1740
tccctcctca	ctaaggaatt	cccactgtga	ctttaaaata	gaactaaatt	acttgtgtgc	1800
atgtatatgt	ctgtattttt	tacacacatg	caaaaatata	cattggggggc	acgtgtgtga	1860
gagatatgaa	tgtgtgctta	tataaaaata	gataaaggta	accgaatgta	ttgtagaaac	1920
atgattttatt	tagttgaggg	tattggagtt	actttctcat	tgtctctggt	gtataaatac	1980
accaaattaa	tcattatggt	atccttatggt	aaaaggctag	ctct		2024

<210> 12605

<211> 3676  
 <212> DNA  
 <213> Homo sapiens

<400> 12605

atttcaaagc	tggggtgatt	tcattttat	ccaaaatttt	tcaaaaaact	tttactcagt	60
tctgctgtta	tttattaact	taagagtgc	cccatcccca	tatttcagct	ataggaaaat	120
tgtgctaccc	ctgattcata	tgggaattaaa	aaaaaataca	tccctttatt	ttgagtttta	180
agttgttatt	ttgctataca	tttattactg	gagtatctgg	tgggtctgaaa	tagtcaaaag	240
tagagttggt	attaaatggt	ccaatgacat	ttatttttaa	tacttaaaaa	atcatgtact	300
ttgaaatatg	tcaaagcaac	ttctgataat	atacctgaat	ttgtagttgt	ctcttgagca	360
tcattttact	catcttagat	atagtgaaga	tctaggaaag	ctctatatgc	tgttcttttc	420
tacagttgta	tttttgcagc	atctcctggt	ttcattcact	cttgtttttg	gatttttttt	480
tagatctgca	tatttcttgt	acatatgcat	gcaaatgaaa	gaagggaggt	tgtactgggtg	540
ccattttctcc	cttcagttgc	tgggttaatgg	gatttgctag	aaaaaattct	cccgggttgaa	600
gggtgaaaac	agacccttat	gtgtatatct	gtacagagat	gtgtatatgg	gatgtgggtgg	660
cacttttgctg	aatgtgaaat	tgccttgtca	atggaaagat	tgaaaagtat	tatgtttatt	720
tatacatattg	tataaatcta	tatatacacg	tatgtatatg	tgtgtgtata	gataaagcta	780
tatacatata	tttcccttaa	aaatgtgtgt	gtataatagg	taaacagcct	ttgttaagca	840
agattaatgt	ctatggaaag	ttctggatta	ttctgtaagc	cagaggaggt	gacagtctag	900
agtacatcat	cagaacatac	taaaatggaa	gtcctttgga	ttatagtttt	gtttatggat	960
attacacaat	gaatgcttgt	ctgaacagtt	cttacttgcc	agttccacta	ttcttcatct	1020
tcaccacctt	ctactggtca	gtcttttcac	acttaaaaaa	aaaaaaaaaa	tcacacatca	1080
ttgtgggtttt	tttccccctt	aattctgtct	cttctagcca	gaagcatctg	gcttaagcat	1140
atttcataca	cttctctgtt	atttctttta	aagatcttta	tctctgaaat	tttcccagaa	1200
gatacaagtt	ttggtaatat	tatcaatagg	aattttgaga	cttgggcatt	catctttgtc	1260
tcaaaaacaa	acagaaagcc	aaccttcaaa	taaaacaaat	ttgaaagttt	tagctcaata	1320
atttgggggac	attttactta	aattacaaaa	gaacataatt	atgattttat	gatcgatatt	1380
agtgttaggt	ttattttccac	acttactgtc	attaatttgt	cattttacata	tttttatttg	1440
ctttgtagtt	taatcataac	ttcaccattt	acattttaat	ggaaagcata	caaggtcaca	1500
tgttagcctc	ttgaattctg	taactaactc	atttttctca	tgatgaaact	gctttgatga	1560
attcctgtgt	gatgaattct	gctatatattc	cttttgactt	ttctcagttt	gtgacattct	1620
gtattaactt	tgctgcagct	ctctagaaaa	cttgcacccc	tatatattgt	gccttttaaag	1680
ctcttaatgca	cacacagaca	aaagtgtata	tatacatgtc	agagcatgtg	tacatatgtc	1740
ttcgtatgta	ctcacacagt	atgtctctag	tatatattgt	gggagtagat	atatagatat	1800
tcaaaggcaa	tgaatatattg	ctctccagat	atatatgtat	ataaatagt	ttgatataac	1860
tgtatatata	catgtatatg	tatgagtttt	aaatggcaat	cttttacatt	tagcaaaatg	1920
ctgcccctac	tggaaatattg	tactgcagct	ggcagttgta	tgtaatgatt	taaaatacat	1980
tatcaaaagt	tatttaaaga	acatttaaag	tctcatctaa	agacatccac	acactattta	2040
tttatcttcc	ttttccctttt	attgttgtgt	ttttcttaac	tgaaggggag	actgtcattt	2100
taaaaatgcc	atctgtccca	tgagagtaag	aaagagctgg	agattcactt	gaggagcttt	2160
gtgcattttt	cctctctctg	aagtggagat	gttccacaga	ccagactgtt	tatttcactt	2220
ataaagcaat	ccctaatttt	ccgttagtgt	atgtcagcca	ccatctccta	gatcaactta	2280
attcaccaat	ttgcctcctc	ctttcattaa	taaaataatga	ttattgagat	catctttgct	2340
gggggaagtt	aactactccc	atgctgcagg	gaaatatatc	acctaattgt	tattttgcct	2400
tgttcaaaaat	tcaaatttga	aagaaggcag	ctctctcatg	aagctgtctt	aagcacattt	2460
tagttaaggg	ccctcccaaa	ctcttttttc	tttctttctt	tctttctttt	tttttttttt	2520
ttgcgagttc	caagttgcat	gtgcttgaaa	tagattttaat	tcttattccc	cacagtttag	2580
gtatttttca	ttagtacatc	aatttgacac	actgaatgca	agactattaa	ggaagaacga	2640
ttaaataatta	ttttattttg	tgaagagttg	gcagcagatt	acatctcaag	aacttgcaga	2700
gagaggaagg	tagatggaca	atcctaaatt	gtaagatgtt	acaaaaaaca	gtgaagtaag	2760
agtactcctg	aagactaaaa	tagagaggct	ggggtttgag	ccattttact	gagtagctta	2820
gctggaacct	gatatacaga	gtagccttta	acaaaaagcc	tcttggcaat	tgtatgggtac	2880
taacaactag	agtactgaag	tgtaaagttga	aaccaagttg	cagtgggaaa	tcaaaggtga	2940
ggtagcttat	ttgaaaccag	caaatgagac	aggttggaca	gttttaaaat	ctcttctaac	3000
aaagaaactg	cacggttagca	aggactagcg	gttctcaaag	cccttctttt	tcagtgttct	3060
cattcacctt	ggcacccaag	tatgtttaac	aggccatgca	ttaaaaataa	atacaaaaat	3120
ataaaagccg	cttaaaggga	acttacaaaac	tgacaatctc	tcctctgtat	ttgtgttcat	3180
agtggctggg	agtttaatta	tatgcacaaa	agttaggagc	cacttgtttc	tgcacagact	3240
gtaggagcaa	gatgaggaga	tgggcaggtt	ttggtaagag	ccccagttc	tgggtggacag	3300
gcatacttgt	ggcattgggt	gcggcattgc	tgggaggacc	acgtcttggg	aggcgattga	3360

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---



tgtacctgaa	gtacgtactt	cccttctgtt	gctgatattg	tcattgagcag	ttccaccctc	360
agtgtttacc	tctatgcttt	gaaatcttct	ctcaaacgca	tattcattcc	tattttttgt	420
accctttggg	attcctcaat	ctcatataca	tctttccatt	tctgacctaa	tcccagcact	480
ttggggaggct	gagccgagca	tagtgggggtg	tgcctatagt	cccagctact	caggaggctg	540
agggtgggaag	atcacctgag	cccgggagct	ggaggtttca	gtgagctcag	atgtgccact	600
gcattccagc	ctgggctaca	gagcgaggcc	ctgtctcaaa	aaaaaaagtc	tcattgacttc	660
gtctcctaga	tgagaccatc	tctagctgat	gcctttgctt	gcattctcat	gtgcagggcc	720
agcagatact	gatggagcag	atgttctctg	aggctgtagg	tgctggggca	cagatctttt	780
cctcatccta	ctacctagtg	aaggggagaa	atgacaagcg	aggcaactgc	agggtgaaaag	840
tgttttggaga	gaggttttcta	taggggtcca	gtctatgcac	tgagcccagg	catagacttc	900
agagatgctt	cctgaaaaga	agttggcaag	atatgaggga	ggagggcgca	gctcctgatt	960
cctctgacct	ttctattgtg	ggtttgatgc	cccctcccca	cctgagtcct	catgggcagc	1020
tgtgtgttgt	gtttttttgt	gttgtgttgt	tttgtgtgag	acagagtctc	gcactgtcgc	1080
ccaagctgga	gtgcagtggt	gcgatctcag	cagctgtgtt	tttaagaagt	gtgtctactc	1140
ctttccttac	tcaatcctga	ccctgtaaaa	ttcccacttg	ctggctgccc	cctccccaag	1200
gaaaggccgc	ccctgtgccc	ctccacagtg	ggtggtgccc	agagtcaggg	gacaggctctg	1260
ggcttttcta	ttcttgctga	cccagctata	gagaccgtgc	tctttcccat	tcagagagtc	1320
atagctacgt	ggtttttttt	tgtgtgttgt	gttgtgttgt	gttgtgttgt	gttgtgttgt	1380
gtgtctttta	ttttacgctt	ggggttgtct	ttttaaaact	ttcttttatt	cttttatctt	1440
gggataatta	cttatttttaa	agtaagcctt	gtttgttttt	gtctgtttaa	aatctttaca	1500
gccatccagc	ttatatcaac	ttttttatct	cctgccaggc	aaaaagaatt	aatagaaaat	1560
ggcagcccaa	gaggtaagat	acgcagctctg	tccacacccc	aaacagggca	ggataaatgc	1620
ctttcttggg	tctaataagc	cctgaagaga	tactccctgt	agcaccaagt	catttccctc	1680
tgctgcccct	ttgaggtgac	tgtattccca	aaagtagtca	gtgtagagga	atggatggcc	1740
cgttttaggat	aggtagttgc	acagattatc	tctgagggag	gtgactaaga	agctgaactc	1800
caaagacaag	acaaaggaat	tgatgaacag	tatcattctc	ttactcttgg	gatagggatt	1860
ctgtgaaggt	taatgtatgc	tcttttttct	agggagaaga	tccctttata	tttgattgtc	1920
atggggatct	gtggcccaga	gtaaaatcag	cagtcaccagc	tgtatagact	ttcagggttca	1980
ttatgggtgt	gatctgaaaa	ccttggtcac	ctctgtggta	tgtgtcattg	gattctagct	2040
acttgagtga	agtggctcct	gtgcattctt	agaagcgagt	atgagagagg	atgggggtgga	2100
gttccagttt	tactagagaa	agctctcaaa	agagaatttt	gatacccaac	ttgaaacctg	2160
gaaaattacc	aagtacagct	tcgtgttaaa	aaaaaaaaaa			2200

<210> 12611  
 <211> 4302  
 <212> DNA  
 <213> Homo sapiens

<400> 12611						
catccacacc	aaaaccccat	ctatacatca	tcattcatcaa	agaccaaaagg	tagatacagc	60
cacaaagatg	gggaaaaaac	agagcagaaa	agctgaaaaat	tctacaaatc	agagcgcctg	120
tccccctcta	aaggaatgca	gctcctcgcc	agcaacggaa	caaagctgga	cagagaatga	180
cgactttgac	gagttgagag	atgaaggctt	cagatgatca	aacttctctg	agctaaagga	240
agaagtttga	acccatcgca	aagcagctaa	aaaccttgaa	aaaagattag	acgaatggct	300
aactagaata	accagtgtag	agaagtcctt	aatgacctg	attgagctga	aaaccacggc	360
acaagaacta	tgtgacaaat	gcacaagctt	cagaagccta	tttgatcaac	tgaaagaaaa	420
ggtatcagag	actggagatc	aaatgaatga	aatgaagcaa	caaaagaagt	ttagagaaaa	480
aagagcaaaa	agaagcaaac	aaagcctcca	agaaatatgg	gactatgtga	aaagacccaa	540
tctacgtctg	attggtgtac	ctgaaagtga	cggggagaat	ggaaccaacc	tggaaaacac	600
tctgcgga	ttatccagga	gaacttcccc	aacctagtga	ggcagaccaa	cattcaaat	660
caggaaatag	agaacgccac	aaagatactc	ctcgagaaga	gcaactccaa	gacacataat	720
tgtcacattc	accaaggttg	aaatggagga	aaaaatgtta	agagcaccca	gagagaaaag	780
tcgggttacc	cacaaaggga	agcccatcag	actaacagcg	gatctctcgg	cagacactcc	840
gcaagccaga	agagagtggg	ggccgatatt	caacattctt	aaagaaaaga	attttcaacc	900
cagaatttca	tatccagcca	aactacgctt	cataagtga	ggagaaataa	aatcctttac	960
agacaagcaa	atgctgagag	attttgtcac	caccaggcct	gccctaaaag	agctcctgaa	1020
ggaagcacta	aacgcggaaa	ggaacaactg	gtagcagcca	ctgcaaaaac	atgccaaatt	1080
gtaaagacca	tcaatgctag	gaagaaactg	cattaactaa	cgagcaaaaat	aaccagctaa	1140
catcataatg	acaggatcaa	attcacatat	aacaatatta	accttaaatg	taaatgggct	1200
aatgctcca	attaaaagac	acagactggc	aaattggata	aacagtgaag	atccatcagt	1260



gtgctgtatt	caggagaccc	atctgatgtg	cagagacaca	cataggctca	aaacaaaggg	1320
atggaggaag	atctaccaag	caaattgaaa	acaaaacaaa	acaaaaagca	gggggttgca	1380
tcctagtctc	tcatgaaaca	gacttttaac	caacaaagat	gaaaagagac	aaagttggcc	1440
attacataat	ggtgaaggga	tcaattcaac	aagaagagct	aactaaccta	aatatatatg	1500
caccagtagc	aggagcacc	agactcataa	agcaagtcct	tagagaccta	caaagagact	1560
tagactccca	cacaataata	atgggagact	ttaacacccc	actgtcaaca	ttagacagat	1620
caacgagaca	gaaagttaaa	aaggatatcc	aggaattgaa	ctcagctctg	cacctagagg	1680
acctaataga	catctacaga	actctccacc	caaaatcaac	agaatataca	ttcttcccag	1740
caccacttcg	tacttactcc	aaaattgacc	acatagttgg	aagtaaagca	ctcctcagca	1800
aattgtataag	aacagaaatt	ataacaaact	gtctctcaga	ccacagtgc	ctcaaactag	1860
aactcaggat	taagaaactc	actcaaaacc	actcaactac	atggaaactg	cacaacgtgc	1920
tcctgaatga	ctactgggta	cataacgaaa	tgaaggctga	aataaagatg	ttctttgaaa	1980
ccaacgagaa	caaagacaca	acatgccaga	atctctggga	cacattcaaa	gcagtgtgta	2040
gagggaaatt	tatcgacta	aatgcccaca	agagaaagca	ggaaagatct	aaaattgaca	2100
ccctaacatc	acaattaaaa	gaactagata	agcaagagcg	aacacattca	aaagctagca	2160
gaaggcaaga	aataactaag	atcagagcag	aactgaagaa	gacagagaca	caaaaaaccc	2220
ttcaaaaaat	caatgaatcc	acgagctggg	tttttgaaag	gatcaacaaa	ttgatagacc	2280
actagcaaga	cctaataaga	aaagagagaa	gaatcagata	gacacaataa	aaaatgataa	2340
aggggatatc	accaccgggtc	ccacagaaat	gcaaaactacc	atcagagaa	actataaaca	2400
cctctacgca	aataaaactag	aaaatctaga	agaaatggat	aaattcctgg	acacatacac	2460
ccttccaaga	ctaaaccagg	aagaagttga	atgcctgaat	agaccaataa	caggctctga	2520
aattgaggca	ataattaata	gcctaccaac	caaagaaagt	ccatgaccag	aaggattcac	2580
agctgaattc	taccagaggt	acaaggagga	gctggtagca	ttccttctga	aactattcca	2640
atcaacagaa	aaagagggaa	tcctccttaa	cttattttat	gagaccagta	tcctcctgat	2700
accaaagcct	ggcagagaca	cacaaaaaaa	gacaatttta	gaccaataatc	cctgatgaac	2760
attgattcaa	aaatcctcag	taaaatactg	gcaaaaccgaa	tgcagcagcc	catcaaaaag	2820
cttatccacc	atgatcaagt	gggcttcatc	ccgggggatgc	aaggcagggt	caacatacgc	2880
aaatcaataa	atgtaatcca	gcatataaac	ggaaccaaa	acaaaaacca	catgattatc	2940
ttaatagatg	cagaaaagac	ctttgacaaa	attcaacagc	ccttcatgct	aaaaactctc	3000
aataaattag	gtattgatgg	gacgtatctc	aaaataataa	gagctatcta	tgacaaaacc	3060
acagccaata	tcatactgaa	tgggcaaaaa	ctggaagcat	tccctttgaa	aaactcgcaca	3120
agacagggat	gccctctctc	accactccta	ttcaacatag	tgttggaagt	tctggccagg	3180
gcagtcaggc	aggagaaaga	aataaagggt	attcaattag	gaaaagagga	agtcaaatgt	3240
tcctgttttg	cagatgacat	gattgtatat	ttagaaaacc	ccatcgtctc	accccaaat	3300
ctccttaagc	tgataagcaa	cttcagcaaa	gtctcaagat	acaaaatcaa	tgtgcaaaaa	3360
tcacaagcat	tcttatacac	caataacaga	caaacagaga	gccaaatcat	gagtgaactc	3420
ccattcacag	ttgcttcaaa	aagaataaaa	tacctgggaa	tccaacttac	aagggatgtg	3480
aaggacctct	tcaaggagaa	ctacaaacca	ctgctcaatg	aaataaaaaga	ggacacaaac	3540
aaatggaaga	acattccatc	ctcgtggata	ggaagaatca	atattgggaa	aatggccata	3600
ctgcccagg	taatttatag	attcagtgcc	atccccatca	agctaccaat	gactttcttc	3660
acagaattgg	aaaaaaattc	tttaaagttc	ctatggaacc	aaaaaagagc	cacattgcca	3720
agacaatctt	aagccaaaag	aacaaagctg	gaagcatcac	actatttgac	tttaaaactat	3780
actacaaggc	tacagtaacc	aaaacagcat	ggtactggta	ccaaaacaga	gatacagacc	3840
aatggaacag	aacagagccg	tcagaaataa	taccacacat	ctacaaccat	ctgatctttg	3900
gcaaacctga	caaaaacaag	caatggggaa	aggattccct	atttaataaa	tggtgctggg	3960
aaaactggct	agccatatgt	agaaagctga	aactggatcc	cttccttaca	ccttatacac	4020
caattaattc	aagatggatt	aaagacttaa	atgttagacc	taaaccata	aaaaccctag	4080
aagaaaacat	aggcaatccc	attcaggaca	taggcatggg	caaggactcc	atgtctaaca	4140
cacccaaagc	aatggcaaca	aaagccaaaa	ttgacaaatg	gggtctaatt	aaactaaaga	4200
gcttgtgcac	agcaaaaagaa	actaccatca	gagtgaacag	gcaacctaca	gaatgggaga	4260
acatttttgc	aatctactca	tctgaaaaag	ggataatatc	ca		4302

<210> 12612

<211> 530

<212> DNA

<213> Homo sapiens

<400> 12612

gtacaatctg	ggatcaagtg	ttctcgctgc	tctcagggat	cggcgacacag	cctgtgtgct	60
cccatgtggc	ctgacttgga	tttcagagtt	tatatgaggc	acagctgaga	gtctggaaaa	120



gattcaaaaa	tctcagtaa	aatactggca	aaccgaatgc	agcagcccat	caaaaagctt	2820
atccaccatg	atcaagtggg	cttcaccccg	gggatgcaag	gcagggtcaa	catacgcaaa	2880
tcaataaatg	taatccagca	tataaacgga	accaaagaca	aaaaccacat	gattatctta	2940
atagatgcag	aaaagacctt	tgacaaaatt	caacagccct	tcattgctaaa	aactctcaat	3000
aaattaggta	ttgatgggac	gtatctcaaa	ataataagag	ctatctatga	caaaccaca	3060
gccaatatca	tactgaatgg	gcaaaaactg	gaagcattcc	ctttgaaaac	tcgcacaaga	3120
cagggatgcc	ctctctcacc	actcctattc	aacatagtgt	tggaaagtct	ggccagggca	3180
gtcaggcagg	agaaagaaat	aaaggggtatt	caattaggaa	aagaggaagt	caaattgttc	3240
ctgtttgcag	atgacatgat	tgtatattta	gaaaacccca	tcgtctcacc	ccaaaatctc	3300
cttaagctga	atgcaacctt	cagcaaaagtc	tcaagataca	aatcaatgt	gcaaaaatca	3360
caagcattct	tatacaccaa	taacagacaa	acagagagcc	aatcatgag	tgaactccca	3420
ttcacagttg	cttcaaaaag	aataaaatac	ctgggaatcc	aacttacaag	ggatgtgaag	3480
gacctcttca	aggagaacta	caaaccactg	ctcaatgaaa	taaaagagga	cacaaacaaa	3540
tggaagaaca	ttccatcctc	gtggatagga	agaatcaata	ttgggaaaat	ggccatactg	3600
ccaaggttaa	tttatagatt	cagtgccatc	cccatcaagc	taccaatgac	tttcttcaca	3660
gaattggaaa	aaaattcttt	aaagttccta	tggaaaccaa	aaagagccac	attgccaaga	3720
caatcttaag	ccaaaagaac	aaagctggaa	gcatacacact	atttgacttt	aaactatact	3780
acaaggctac	agtaaccaa	acagcatggt	actggtacca	aaacagagat	acagaccaat	3840
ggaacagaac	agagccgtca	gaaataatac	cacacatact	caaccatctg	atctttggca	3900
aaactgcaca	aaacaaagca	tggggaaaag	attccctatt	taataaatg	tgttgggaaa	3960
actggctagc	catatgtaga	aagctgaaac	tggatccctt	cccttacact	tatacaccaa	4020
ttaattcaag	atggattaaa	gacttaaatg	ttagacctaa	aaccataaaa	accctagaag	4080
aaaacctagg	caataccatt	caggacatag	gcattggcaa	ggactccatg	actaaaacac	4140
ccaaagcaat	ggcaacaaaa	gccaaaattg	acaaatgggg	tctaattaaa	ctaaagagct	4200
tctgcacagc	aaaagaaact	accatcagag	tgaacaggca	acctacagaa	tgggagaaca	4260
tttttgcaat	ctactcatct	gaaaaagggc	taatattccag	aattctacaaa	gaactcaaac	4320
aaattttacag	gaaaaaacia	ccccatcaaa	aagtggggcg	aggatatgaa	tagacacttt	4380
gcaggggaag	acattttatgc	agtcaacaga	cacatgaaaa	attgctcatc	atcactggcc	4440
atcagagaaa	tgcaaatcaa	aaccacatgt	agataccatg	tcacaccagt	tagaatggcg	4500
actattaaaa	agtcaggaaa	caacaggtgc	tggagagatg	gtggagaaac	aggacactct	4560
ttacagtgtt	ggtgggacta	aactggttca	accattgtgg	aagacagtgt	ggcatctctt	4620
caaggatcta	gaactagaaa	taccattttga	cccagccatc	ccattactgg	gtatataccg	4680
aaaggattat	gaatcatgct	gctgtaaaga	cacatgcaca	tgtacgttta	ttgtggcact	4740
attcacagta	gcaaagactt	ggaaccaacc	caaattgtcca	acaatgatag	actggattaa	4800
gaaaatgtgg	cacatatata	ccatggaata	ctatgtagcc	ataaaaaagg	atgagttcat	4860
gtccttttga	gggacatggg	tgaagctgga	aaccatcatt	ctcagcaaac	tatcgcaagg	4920
acaaaaaacc	aaacaccaca	tgttctcact	catagggtgag	aattggaaaa	tgagaacact	4980
tggaacacag	aaggggaaca	tcacatacca	gggcctgtgc	taggggtgcg	ggagagggga	5040
gggatagcat	tatgagatat	acctaattgt	aatgacggtg	aatgggtgca	gcacaccaat	5100
gtggcacatg	tatacatatg	taacaaacct	gcacgttgtg	tacgtgtacc	ctagaactta	5160
aagtataata	ataaaa					5176

```
<210> 12614
<211> 530
<212> DNA
<213> Homo sapiens
```

<400> 12614						
gtacaatctg	ggatcaagtg	ttctcgtcgc	tctcagggat	cggcgcacag	cctgtgtgct	60
cccatgtggc	ctgacttgga	tttcagagtt	tatatgaggc	acagctgaga	gtctggaaaa	120
ggcacagcat	cttctccttc	ctgtccagat	gagccaagtg	agcaggaagg	gtctcagcat	180
ctattcctga	ggccctatga	gaggtttctt	cattccttta	taatgattaa	gccctacatt	240
gggaatgggt	ttgatttgtc	attgtacaaa	cttcagaggc	tttaatggta	attttattaa	300
ccttgctgga	ccttatggaa	tgttgataaa	agcaaccact	ctttgttatg	aaagcaaaaa	360
gagacattga	aaagttagtt	caagataaatt	ggcaaaagcca	gctgccatga	tgagattggt	420
gaatagttga	ggttggaatg	gcagaaaagg	tgaaggctct	ttcttgaaag	acagcacagg	480
aatcaccgct	ctaattgctat	ctttgtgatg	ttactgttga	atatatgtga		530

<210> 12615

<211> 9732  
<212> DNA  
<213> Homo sapiens

<400> 12615

gattccatgg	caatccctga	gcctgcagat	cctgggtgaca	gccaccagga	acctcaggat	60
ggaccagtca	gcttcaaacc	tgggtgtgtg	ctttccggaa	ggggaaggca	ggcaggctgg	120
tggggcccat	gtagccagct	ggcccttttt	cctgtgatac	agcagtgcca	tttcaggga	180
accttgctc	cagaatcagc	aaggcctgct	ctgtggcctg	taccacctcc	caccttgaag	240
gccaggctca	cagggccccc	agcggcctac	tggccaagca	cacacaccct	tttccttcac	300
cccatcttct	gggaaggact	ggttcacatg	gcactttcct	tgccccgctg	aaccacacaa	360
gcccttgtgc	ctggaaaaag	cattctcacc	ctttcccaca	gccctaacca	gagccaggaa	420
gtcatgctgt	ccttgggtctt	ggagtcagca	caggaaaccc	accaagagac	accatttgca	480
gcagggccct	ttaaggctgg	gcccagatt	gagaaagtaa	atgagtttca	ttatgtggtg	540
aagtatttat	tgacaagggc	tgccaagaat	gaagtgtgta	ggccatgtgc	atgtgctgag	600
gaggggagtg	taccatgatt	gattagtcat	gtctgctgta	ggtgtaggag	gcaggggtgag	660
ggctcacttg	ctatgcattt	gccctccagg	ggtttaaggc	ttctaagctc	ctgctcagag	720
gacatcagca	gctaacttcc	ctgctctcag	ccttcaactc	tccttctctg	aaccttgtga	780
tcttcccagg	cctgggtgag	tagcccttga	catttatgtc	tgctgtgtat	ttaggccacc	840
ttgctgcagt	gatcaatgag	gttgaggtgc	aacaggaaca	gcaggaacat	ctgctgggag	900
atctccagaa	tgatgtgcac	cgggtggcag	acagcctgcc	aggcctgtgg	aaagccctgc	960
ctggtaacct	cacagctgca	gtgatggaag	caaatcaaac	agggcacggt	gagtggcagg	1020
ctctaggggc	tgaggaagag	cctggtcaca	ttgaggggag	gaggggagga	ccccgctggt	1080
cccagccttg	gaggagtgtc	tgctcctgca	gggcttgtgt	cacaccacat	gtctgttgca	1140
gagttccctg	atagatcctt	ggagcaggtg	ctgtaccctc	acgtggacac	cttccctaaa	1200
gtgcatttca	gccccatctg	gaggagcttt	aaccaaagcc	tgcacagcct	taccaggcc	1260
ataagaaacc	tgtctcttga	cgtggaggcc	aaccgccagg	ccatctccag	agtccaggac	1320
agtgccgtgg	ccagggtctga	cttccaggag	cttgggtgcca	aatttgaggc	caagggtccag	1380
gagaacactc	agagagtggg	tcagctgcga	caggacgtgg	aggaccgcct	gcacgcccag	1440
cactttaccc	tgacccgctc	gatctcagag	ctccaagccg	atgtggacac	caaattgaag	1500
aggctgcaca	aggctcagga	ggccccaggg	accaatggca	gtctgggtgt	ggcaacgcct	1560
ggggctgggg	caaggcctga	gccggacagc	ctgcaggcca	gggctggggc	agctgcagag	1620
gaacctctca	gagctgcaca	tgaccacggc	ccgcagggag	gaggagtgtc	agtacaccct	1680
ggaggacatg	agggccaccc	tgaccgggca	cgtggatgag	atcaaggaac	tgtactccga	1740
atcggacgag	actttcgatc	agattagcaa	ggtggagcgg	caggtggagg	agctgcagg	1800
gaaccacacg	gcgctccgtg	agctgcgcgt	gatcctgatg	gagaagtctc	tgatcatgga	1860
ggagaacaag	gaggaggtgg	agcggcagct	cctggagctc	aacctcacgc	tgacgacact	1920
gcaggggtgg	catgccgacc	tcatcaagta	cgtgaaggac	tgcaattgcc	agaagctcta	1980
tttagacctg	gacgtcatcc	gggagggcca	gagggacgcc	acgcgtgccc	tggaggagac	2040
ccaggtgagc	ctggacgagc	ggcggcagct	ggacggctcc	tccttgacag	ccctgcagaa	2100
cgcctgtggc	gccgtgtcgc	tggccgtgga	cgcgcacaaa	gcggagggcg	agcggggcgc	2160
ggcggccacg	tcgcggctcc	ggagccaaat	gcaggcgctg	gatgacgagg	tgggcgcgct	2220
gaaggcggcc	gcggccgagg	cccggccagc	ggtgcgcctg	ctgcacagcg	ccttcgcgcg	2280
cctgctggag	gacgcgctgc	ggcacgaggg	ggtgctggcc	gcgctcttcg	gggagagagt	2340
gctggaggag	atgtctgagc	agacgccggg	accgctgccc	ctgagctacg	agcagatccg	2400
cgtggccctg	caggacgcgc	ctagcgggct	gcaggagcag	gcgctcggct	gggacgagct	2460
ggccgcccga	gtgacggccc	tggagcaggc	ctcggagccc	ccgcggccgg	cagagcacct	2520
ggagcccagc	cacgacgcgg	gccgcgagga	ggccgccacc	accgccctgg	ccgggctggc	2580
gcggggagctc	cagagcctga	gcaacgacgt	caagaatgtc	gggcgggtgt	gcgaggccga	2640
ggccggggcc	ggggccgcct	ccctcaacgc	ctcccttcac	ggcctccaca	acgcactctt	2700
cgccactcag	cgcagcttgg	agcagaccca	gcggctcttc	cacagcctct	ttgggaactt	2760
ccaagggctc	atggaagcca	acgtcagcct	ggaaagtggg	aagctgcaga	ccatgctgag	2820
caggaaaggg	aagaagcagc	agaaagacct	ggaaagctcc	cggaaagagg	acaagaagga	2880
agcggagcct	ttggtggaca	tacgggtcac	agggcctgtg	ccaggtgcct	tgggcgcggc	2940
gctctgggag	gcaggtgagt	tcctgggctg	gggagactgg	acgagcctag	gaggccaggg	3000
ccggctgccc	gcagctcttc	tgcctccaag	agggccagga	agaaagagaa	caggatggcc	3060
atccgtcacc	cctactaggt	ccaccttccc	cttggcccac	ctgcttctca	ggggtgtggg	3120
tctctcaagc	tacctggctt	atggggagac	agaagtcaca	agaaccacct	gctagtcca	3180
gagcccgtga	gcggcatagc	ctggaggcca	caggcacaat	agtgccgcct	actgctcctg	3240
ctacagagag	ggcatcgctc	cctgccctgc	cagggcagcc	ttcaagtccc	cccatctcat	3300
ctcttcacct	caccccttcc	attcccattg	gcgtttaagc	cactgtatct	aggaagaatg	3360

tggatagggga	ctgtggccac	ttgcagcccc	acttagttct	gtttcatttt	ccatgatttt	3420
agtttttttt	ttgttttttt	tttctttttt	ttttcttttt	tttttttttt	ttaagatggg	3480
tctcactttg	tcgtccaggc	ttgagtacag	tggtgggac	atgggtcact	gcagcctaga	3540
cctctccagg	ctcagctgat	cctcccactt	cagcctccag	agtagctagg	acttacaggc	3600
atgtgtcacc	atgcctagct	aatttttgta	ctttttgtag	agacagggtc	ttgctatggg	3660
gcccaggctg	gtctcaaatt	cctgggatca	agtaatctgc	ccacctcagc	ctcctaaagt	3720
gttaggatta	caggtgtgag	ccatgtgccc	agccttgatt	tcagtttctt	gcataacca	3780
cgatcagaaa	ataggtgagt	acagtcacaa	aagattttga	gagagggaga	caccacattc	3840
atataacttt	tattacagta	tactgttata	attgctttat	attttattat	tattgtcaat	3900
ctcttactgt	gcctaattta	caagttaaac	tttggcatag	gtatgtacat	agaggaaaat	3960
aaatagtata	tatagggttt	ggtactgtct	gagatttcag	gcacctgcta	aggtcttgga	4020
acacacctca	gtggactgta	cagggaaagc	cgtggggcct	gaaaggagct	cattccctct	4080
gcaaatacag	ttaacctgtc	tcctcgtctt	gtgctagtcc	ccttcctggg	ctttaccaca	4140
atggcccac	ccaacaggtc	aatgacacac	tcacagcac	ttccatctta	cctgaaactg	4200
aggcgcaaac	acaagtttcc	tgcttgccca	gctagtgaac	agcagaggag	cgctgtcttt	4260
aggggtgccg	ttcttccact	ccagaaggcc	ctccatggct	ggtccctgca	gggcccctggg	4320
cctgggagct	ggctttgagg	ctgaaggcat	gtgcaaccaa	gcttccatc	ccctccctga	4380
gtgtggctcc	gggaggggga	caactaggct	ctgtgtctca	agtgactctc	tctgccagag	4440
gctggccttg	gagctgtggc	ctctccccac	ccagacacag	ggctaagtac	aaggccacca	4500
tcttgcccat	gtgcagcctg	gcgtgtggca	agtccaaggc	cttgttgaag	gtcccgtccc	4560
aggcagcccc	tgccccagct	gacctccctt	atggcccaag	aggcaatgtg	gagcagtggg	4620
aagcaccag	gctctggcat	cacttgtctg	ttcttccctc	agtaaaatgg	cagaatccct	4680
acccatgtca	aagttttgtt	atgaagactg	ctgcgtttac	caaataccta	gcacgaggct	4740
tacctcatgt	aggaacgcag	tcaacgtttt	cccatttccc	cagcattttc	agggttcagg	4800
ttgtgtccac	cgacactgac	acttctctct	tgtttccctc	cgtgcgtggt	gcaaggcttc	4860
aatatgtcga	tgactttcag	aatttgcctc	acggttttga	aatgtgttta	ccacgacgat	4920
atttatttca	aaaaaatggt	gttcttaaaa	acaaatttcc	aggcggggcg	cagtgtctca	4980
tgcttataat	cccagcagtt	tgggaggccg	aggcgggttg	atcacttgag	gtcaggagtt	5040
caagaccagc	ctggccaaca	tggtgaaacc	ccatctctac	taaaaataca	aaattagccg	5100
ggtgtggtgg	cgggcgccta	atcccagcta	ctcgggaggc	tgagacagga	gaatcacttg	5160
aaccggggag	gcagaggctg	cagtgcgccc	agattgcgcc	actgcactcc	agcctgggca	5220
agaagagcga	aactgtcaaa	aaaaaaaaaa	aaattagccc	ggtgtggtgg	caggcacctg	5280
taatcccaac	tacctggaag	gctgaggcag	gagaatcgct	tgaacctggg	aggcagagggt	5340
tgctgtgagc	caagatagct	ccattgcact	ccagcctggg	cggcagagta	ggactctgtc	5400
tcaaacacac	acacacacac	acacacacac	aaacacacac	acacacacac	acacacacac	5460
acaccccaaa	tttcccttta	tttgtttgta	ggaaggctgt	agggcttgaa	tgtgtgccct	5520
gcagggaagc	acactctgag	tttgcacagc	ccttcccgca	tcttagggcc	tgtcaggcgc	5580
aaggctgggt	tggggtgggg	gtctctctct	gcggcggaac	tccctgcgca	ggcgcccgga	5640
cggaacggcc	ggaacgaggg	cctagcaccg	gtagagggcg	ctcggggccg	gccttccctc	5700
ggctaggcaa	gagaaccacc	tgagggtgtg	taggggaatt	gcagaggcag	ccgccggcct	5760
ctgacttggt	cacaatcttt	tttttttttt	tttttttttt	tttttttttt	agacggagtc	5820
tcgccctttc	gctcaggggg	gagtgcgaat	gcacgatctc	ggctcactgc	aaacctcgcc	5880
ttccgggttc	aaacgattct	ctgcctcag	cctcccagtc	agctaggatt	acaggcgctt	5940
gccaccatgc	ccagctaatt	tttgtagttt	tagtagagac	gggatttcac	catgtttggc	6000
aggctggtct	ctatctcctg	acctcgtgat	ccgccacact	cgcccttcca	aaagtctggg	6060
attacaggcg	tgagccattt	gcgcccggca	tttttttttt	tttttttttt	tgacggagtt	6120
tcactctcgt	tgcccagggt	ggagtgcac	ggcgtgatct	cggctcacgg	caacctccgc	6180
ctcccgggtg	caagcgattc	tcctgcctca	gcctcccaag	tagctgggat	tacaggtatg	6240
ccccaccag	cctggctaatt	tttgtatttt	tagtagagat	gggatttctc	catgtttggt	6300
acgttggtct	cgaattcccc	acttgcaggg	atccgcccgc	cttggcctcc	caaagtgtct	6360
ggattacagg	cgtgagccac	tgcgcccggc	tgatttgaca	caacttgaac	acaaatgaga	6420
aagctattct	cagctgtcta	attctcagaa	aatcttccag	aactagagaa	aagcaacatt	6480
tttttattca	caaaggcttg	ctggattggg	agtcaaagag	ctgaggcttg	agttccggga	6540
cccaagtcag	taattgctca	gcaaaactgt	cctctgaagg	ctttgggttt	atcacctaag	6600
aaatggggac	cttggttttaa	acccctacag	agggagcaag	ttgagggaac	ccatggtgga	6660
catgacctcg	ttggtgccaa	ggccagtgct	acagccagga	cccaagtagg	acttaccttt	6720
cctgtgccat	ctcatgaccc	tgtccccagc	tgcccaacca	tgctgtccag	gcagcaggac	6780
tggcttcttc	ctggctgttt	gtacacctct	cacacatggc	agcttccctc	gcttctgtgc	6840
ccgtgcatgg	gcttgccacc	agtgttctgt	cagtgttctt	gtcctaaggc	tggccaaagt	6900
ggtccctgca	gagaaccaga	agctatagaga	ttcaaggtct	gttcccagga	ggcttggtaa	6960
tttactagtt	gtgtggtctg	gagcaataag	ctttttcttt	ctgggcttca	atttaccat	7020

atgtaagatg	accagcttgg	ccagtaacag	tggtcacac	ctgtaatccc	agcactttgc	7080
ggggttgagg	tgaggaggacc	gcttgagctc	aggagtttga	gaccagcctg	ggcaacagag	7140
caagactctg	tctctacaaa	aaataaaaaa	ttagccaggc	atgatggcgt	atgcctgtag	7200
accagctac	tcaggtggct	gaggtgggag	gattgcttga	gccaggaag	ttgaggctgc	7260
agtgagccat	gatcgccaat	gcactccagt	ctgggcaaca	agagaccctt	tatcaactaa	7320
aaaaaagaag	accagcttga	aggggcttct	cttccctggc	tccacctgct	ctttccttct	7380
ttctccaagg	ttctgtcttc	aacatccagg	aggatccagc	cttcatggct	ctgcagatac	7440
cttcccagtg	ttagcattat	tattaccttg	aggatggata	ttttctccct	ctccccgtag	7500
tatctcaaga	ttcctagcaa	gtggtggctg	tctgggagtc	agagaccctg	gttccctgtcc	7560
cagcctgcca	tttacaacc	atgtagcctt	gggcagccgg	tgaaggattc	aacctgtttt	7620
gtcaatcagg	gatactgtct	ctcaaggaag	ttggaaggaa	aagggatcaa	acgagaaagt	7680
gctttgtggc	tgggcatggt	ggctcacctg	caagcccaac	attttgggaa	gctgaggctg	7740
gaggatcact	tgagcccagg	agctccagat	cagcctgggc	aacatagtaa	gactccatct	7800
ctacgttaaa	aaaaaaaaag	ggctgcagtg	agtcatgacc	actgctgcac	tccagcctgg	7860
gagacagagt	gagtcctgt	ctaaaaaaaa	aatgaaagta	ttttgttaa	atgtacacca	7920
gctcagacaa	cagacttgca	ttttccttcc	tctctattag	tgaaaaacag	aattggccat	7980
ctagcttttc	tcttgcaata	acactgctgt	tggaatatc	taggttatct	agaaatagtg	8040
acctatttcc	attgctaata	aggtgaggac	ggtaggtctc	aggggttaat	ttcccaccca	8100
atggtgtaag	ggatgaatca	ctaagcactg	tctgttatg	tttcaggatc	ccctgtggcc	8160
ttctatgcca	gcttttcaga	agggacggct	gccctgcaga	cagtgaagtt	caacaccaca	8220
tacatcaaca	ttggcagcag	ctacttccct	gaacatggct	acttccgagc	ccctgagcgt	8280
ggtgtctacc	tgtttgagtg	gagcgttgaa	tttggcccag	ggccaggcac	cgggcagctg	8340
gtggttgagg	gtcaccatcg	gactccagtc	tgtaccactg	ggcaggggag	tggaagcaca	8400
gcaacgggtct	ttgccatggc	tgagctgcag	aaggggtgagc	gagtatgggt	tgagttaacc	8460
cagggatcaa	taacaaagag	aagcctgtcg	ggcactgcac	ttgggggctt	cctgatgttt	8520
aagacctgaa	ccccagcccc	aactctgatc	agcatcatgg	actcgcccag	ctctcctcgg	8580
cctggggctc	tgggccaagga	tgggctggag	gtcattcagt	tggtctgtct	cttccctgga	8640
aaccttctgc	aaagatgggtg	tggtgtacgt	ggcttccctg	taaccacatg	gggcttggcc	8700
atttctccat	gatgagaagg	actggaatgc	ttctccgggc	aggacatggt	cctaggaagc	8760
ctgaaccttg	gcttggcatg	ccttctcaga	cagcacggcc	tggtctccaa	ctcttcacca	8820
cacctgtgat	tctacaactt	ctttggtgtt	ttgctcctcc	tggtgttgga	aacttctgta	8880
caacacttta	aacttttctc	ttgcttcttc	ttctcttctc	ccttatcgta	tgatagaaag	8940
acattcttcc	ccaggaggaa	tgtttaaaat	ggaggcaaca	ttttggccaa	cattggaaag	9000
cactagaggg	caatgggatt	aaaccaacct	gcttggcttc	tattagtcag	taatgaagac	9060
gacagcctgg	ccaaccaagg	gaaaggaaat	tagtatcttt	agtttcagtc	attccttgta	9120
ggatatgggt	tagctgtgcc	cccacctaaa	atatcatctt	gaattgtaat	ccctataatc	9180
cccacatcaa	gggagagatc	aggtggaggt	aattggatct	tggtggcggt	tccccatgc	9240
tgttcttctg	atagttctca	cgagatctga	tgattttata	agtttgatag	ttcctcctgt	9300
gttcattctc	cttcttgcca	cctgtggaag	atgccttggg	tcctcttcac	tgtctgccat	9360
gattgtaagt	ttcctgaggc	ctccccagcc	atgtggaaca	gtgagtcaat	taaacctctt	9420
tcctttataa	attatccagt	cctgggcaat	tcttgatagc	agtgtgaaaa	tgactaata	9480
cacttgtgtt	tatctgtaat	ttaaatttca	tgtctttttc	tccttgccct	acatagggta	9540
aagaccaaga	aatgccaaac	gtgaactaaa	atatgtaggg	ccttcaactt	ttttacttcc	9600
tccagtatct	taggaccatc	gtaattcttg	ttagcatctc	taaccaggag	gcagctgagg	9660
gaggagggaa	agaagactgt	aaaaatcccc	ctcactaatg	atcaactttg	gaataaagtg	9720
atgcccttca	aa					9732

<210> 12616  
 <211> 2195  
 <212> DNA  
 <213> Homo sapiens

<400> 12616						
ttttttcttt	gttgactaga	acctctcgtc	cctcttgact	ttcatgggca	tccttctgat	60
atztatcatt	taatgtaata	tttcccttag	gctcctcata	tgttatcaaa	taagattttt	120
cctgtctatt	tccagttggg	caagagcttt	attttcggtg	tcggttgctg	tttgtttacc	180
ttaggtggaa	attagatttt	caagtacttt	ggcctttgat	actaggtatc	aataaagatg	240
gtaatatata	tgttctctat	ttatctgtta	atgtggtaaa	tatgttacct	taataggat	300
ctttaaattt	acctgtctta	cattcctgga	ttaaatctta	tttggtcata	tttttaacta	360
ttcagctgga	tttatcaaga	ttttatttgg	aaaatttgta	cctatatatta	taaataaggt	420

tctgtagttt	tttctgatg	tcttttttca	tttttttgta	tcagagttat	tctgtcccca	480
tttttcctaa	atataaagct	tgatgttcta	ctctttattg	attttacatt	ctctctgagt	540
aatatctggg	cttaccactt	caattatatg	tctccttata	ccattttatc	acctaataatt	600
ctgtcagagg	accctatgta	ggcagctatg	gttgatattt	caaagtgttt	cagaagacac	660
agaagaagga	gaaagaagaa	atatgtggat	aaaaccagtg	ttttctattc	ataacttatg	720
taacatatat	agctgactat	gtttatgggtg	tctatcataa	aaatgtataa	agatagtcct	780
ttgatataatt	aagttgtata	ttctgagaaa	gtcctttttt	gtgtatgtgt	atatttatgt	840
atatatgtag	tctgtatatg	ttttcaatac	ccatagccct	tttccactg	aactggacgg	900
aaccttattg	ccattacaat	gttttttcag	agaagagtgt	taatgcaata	aagaaaagtt	960
aagtttcttt	tttctgagtt	ctaagtaggc	tcctgaaact	tctagttggc	ttaataatct	1020
tgacacacaa	gatagtgtat	ttcaagcagc	tgagctatat	gaaatagaaa	aggggttttga	1080
gttttttaaaa	taaagctctg	aagatatcag	tgcataaatt	tattttttatt	ttaactttta	1140
acaacagatt	ggaaagaaat	tagccaaaaga	gtgagatgat	ctcatcacat	tattaaataa	1200
gtgttgccct	ggttagaagg	ggagttgaaa	caaggttcag	gagacatggc	agccctgtgt	1260
tctgcctttc	tttctctac	agcctgagac	cagggataat	gatagaagct	cccttttagtt	1320
gaagatttga	gcattggaga	tttgtgcttc	actctccagg	tgaaagccag	gggatggcaa	1380
cgcgttatcta	aggccctgt	ctgatgatag	tgtgctgggtg	gcagagttgg	aatggctgca	1440
cagcctgctt	cttctggaat	tttgtgaagc	aacaatgtca	tgggtgtgtc	ccatattgaa	1500
tgacatggta	tcacttagat	ggagatgggt	aactatatga	gagaagtctg	tagataaagc	1560
aggtagaaga	tagtttagcag	gctcctatgg	gccaggaag	gcagttgaga	cttcatgcac	1620
ttttgggcag	aacaagggag	ctggatgcaa	gaccagtgt	ttaaaggacc	tcacagtaat	1680
gttgagaaga	agccaggaat	ggtagtatgg	aatacatgat	tagagtctac	taagactaca	1740
gatagttcac	tgaaaacccg	atcacacaaa	tgctgtgact	agagacttga	caggtgccaa	1800
atcagagtgc	tacaggtcca	atgcctctca	ccgataccat	gcggctgctg	tgtgaacttc	1860
cctcaccacg	taaccctcac	cttaggggaag	agaaggatga	gaagtcatga	attcttaaga	1920
tgagcatatg	cagaaattac	tgaggaaaaat	cagaatgatg	taagcttatc	tagaaatgac	1980
tagattatgt	tttctgatac	ttggtgctac	agaagcatga	gagagaggag	gtaagttcta	2040
ttgcagaaaa	cagtatgacc	aggcacagtg	gctcatgcct	ataatctcag	tacttttagaa	2100
ggttgaggca	caatgattac	tcaaggccag	gagttttaga	tcagcctggg	caacacagtg	2160
ataccccatc	tctatcaaaa	aaaaaaaaaa	aaaaa			2195

<210> 12617  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 12617						
ctgggcgtgg	tggcacgcgt	ctgtaatctc	agctactcga	gaggctgagg	caggagaatc	60
gcttgaaccc	aggaggcgga	ggttgcgggtg	agcagagatt	gcgccactgc	actccagcct	120
gggtgacaga	gcaagactcc	gtctcaaaaa	taaataaata	aataaataaa	ataaaaaatgc	180
tcccctcatt	catttttgatt	taatgggttg	gtatagaatg	caagatattt	ttcccagtg	240
acacgcaata	gcgaattgag	caaaaaatgt	attaagtaag	ctttttactt	tcacatcaaa	300
atcaatacca	gcctgttggt	gaaaatttta	agattatgat	ttcttcatca	att	353

<210> 12618  
 <211> 1839  
 <212> DNA  
 <213> Homo sapiens

<400> 12618						
aatgtcagag	gcatttttagg	ttcttcatgt	ttctcccaact	ttcagttgat	taccattaca	60
ggatcttagg	cttctttttta	tcttttttgca	gtgccttgca	tccactgggt	gtttgttttt	120
tctgttgggc	actacttatt	tccttacctc	tgggtttcttc	tctacagct	tatgttctga	180
aatgtgtatt	cctaaaatac	tgttttcctc	ttgttacttt	tctgctcgag	gacttccagt	240
aacttaccat	tgttttataag	gtgatgttca	aacccttcag	tctggagact	ttctgccacc	300
tatctgactg	tacctttatc	ttcaagctta	tctctttcca	aacaagaggc	tcatttagca	360
gctttctctg	attgccatgt	tcacccctaca	ctcagcctca	ttcagtttac	agcatggaaa	420
ctgtatagga	cctctttcct	atagaaattg	aagacactta	aataggaaga	aaattaaaat	480
atacatttgg	atacatgagt	attccagtc	aataatatct	ataaaaatacc	agatagagta	540

taaaagacaa	ctgaaggaca	acagagtgat	gaaaggactt	tattaggcat	ttggatttgg	600
ttatgattta	aattttcaatt	taattagaac	gtttccatgg	caaggaagga	agcatggagg	660
actgtggaaa	agtcattcag	tattgagttc	atttgcatta	gaggaatttc	atagttttaa	720
acttgatat	ctttacctat	ccttcgtatg	ttttcttctt	aagcatattt	gactttttct	780
acctcagcat	ctgtataaga	aaatatttgt	gagtcagatg	tttgtggggt	ttccttacct	840
attattattt	tcttccatgc	tttacaacac	atttttttaa	ctaccttggt	cttaataaat	900
tacacggacc	tgcttctgtg	tactttcaca	gaatccttga	cagttaaaaa	ttgtatgtta	960
tataaaaaatt	tgacaagctt	ctacagttag	gaaaagcctt	tagaaatctg	ccttccccaa	1020
accgtatgtt	atcatagcac	tcatgtctcc	ccatgtctaa	aaggtaaata	gatacagaaa	1080
cctcaccaaa	agttgaatca	tctgtactaa	accactgctt	ttttatccag	actttttata	1140
taaatctttt	attttccaaa	aaactgatct	tttacctacc	cctcttagag	ttaaaaatat	1200
tgcctgtcag	gcaagagtat	agtatgccaa	tataaataat	atgctttatt	tggttagaaa	1260
cagttgggtt	gggaagctag	caacatagca	tattcctttac	aaatttaata	aggtgtattt	1320
tgatactgtg	ataacctgca	ttgtaaatta	ccaaatgggt	ggaattgacc	agttttatact	1380
tattaaaaatt	tttgatgtgc	caatggctat	ccaattcatt	gcatttgtga	attgtgcttt	1440
tagaaaaatt	gtggacattt	tagttttata	tacatatatta	tgagttattt	gtgcatatga	1500
taaaattata	tataataata	aaagtataata	tgtaacttac	attgtgccct	tgattattga	1560
aaacttcctt	tttataacag	attcactgtt	tggaagctaa	agtaaaaaatg	agccatgtta	1620
ccagaagtaa	taattttctat	cttattactg	atgtttttat	actttgtggg	aaaactatgg	1680
aaagttaggt	tttcagatgc	tgtggtagct	gaaagagttt	gatgtacatg	tggttaaagt	1740
gtgaagaaaa	tatgaaggaa	aaagtatgaa	aagtacccta	gtcattacct	aattgctatt	1800
ttgtttttta	ggatctaaga	agtgttattg	cattgtaca			1839

<210> 12619  
 <211> 1840  
 <212> DNA  
 <213> Homo sapiens

<400> 12619						
aatgtcagag	gcatttttagg	ttcttcatgt	ttctccact	ttcagttgat	taccattaca	60
ggatcttagg	cttcttttta	tctttttgca	gtgccttgca	tccactgggt	gtttgttttt	120
tctgttgggc	actacttatt	tccttacctc	tggtttcttc	tcctacagct	tatgtttctga	180
aatgtgtatt	cctaaaatac	tgttttccct	ttgttacttt	tctgctcgag	gacttccagt	240
aacttaccat	tgttttataag	gtgatgttca	aacccttcag	tctggagact	ttctgccacc	300
tatctgactg	tacctttatc	ttcaagctta	tctctttcca	aacaagaggc	tcatttagca	360
gctttctctg	attgccatgt	tcctcctaca	ctcagcctca	ttcagtttac	agcatggaaa	420
ctgtatagga	cctctttcct	atagaaattg	aagacactta	aataggaaga	aaattaaaaat	480
atacatttgg	atacatgagt	attccagtc	aataatatct	ataaaatacc	agatagagta	540
taaaagacaa	ctgaaggaca	acagagtgat	gaaaggactt	tattaggcat	ttggatttgg	600
ttatgattta	aattttcaatt	taattagaac	gtttccatgg	caaggaagga	agcatggagg	660
actgtggaaa	agtcattcag	tattgagttc	atttgcatta	gaggaatttc	atagttttaa	720
acttgatat	cctttacctat	ccttcgtatg	ttttcttctt	aagcatattt	gactttttct	780
acctcagcat	ctgtataaga	aaatatttgt	gagtcagatg	tttgtggggt	ttccttacct	840
attattattt	tcttccatgc	tttacaacac	atttttttaa	ctaccttggt	cttaataaat	900
tacacggacc	tgcttctgtg	tactttcaca	gaatccttga	cagttaaaaa	ttatatgtta	960
tataaaaaatt	tgacaagctt	ctacagttag	gaaaagcctt	tagaaatctg	ccttccccaa	1020
accgtatgtt	atcatagcac	tcatgtctcc	ccatgtctaa	aaggtaaata	gatacagaaa	1080
cctcaccaaa	agttgaatca	tctgtactaa	accactgctt	ttttatccag	actttttata	1140
taaatctttt	attttccaaa	aaaactgatc	ttttacctac	ccctcttaga	gttaaaaaata	1200
ttgcctgtca	ggcaagagta	tagtatgcc	atataaataa	tatgctttat	ttggttagaa	1260
acagttgggt	tggaagctta	gcaacatagc	atattcttta	caaatttaat	aaggtgtatt	1320
ttgatactgt	gataacctgc	attgtaaaat	accaaatggg	tggaattgac	cagttttatac	1380
ttattaaaaat	ttttgatgtg	ccaatggcta	tccaattcat	tgcatattgtg	aattgtgctt	1440
ttagaaaaat	tgtggacatt	ttagttttat	atacatattt	atgagttatt	tgtgcataatg	1500
ataaaattat	atataataat	aaaagtatat	atgtaaccta	cattgtgccc	ttgattattg	1560
aaaacttcct	ttttataaca	gattcactgt	ttggaagcta	aagtaaaaaat	gagccatgtt	1620
accagaagta	ataattttcta	tcttattact	gatgttttta	tactttgtgg	taaaactatg	1680
gaaagttagg	ttttcagatg	ctgtggtagc	tgaaagaggt	tgatgtacat	tggtttaaag	1740
tgtgaagaaa	atatgaagga	aaaagtatga	aaagtaccct	agtcattacc	taattgctat	1800
tttgttttta	aggatctaag	aagtgttatt	gcattgtaca			1840



<210> 12620  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 12620  
 taagacaaaa agatcgtttt tattcacttt tgattacaaa aaaagggttac atgaataaaa 60  
 taacaatttc ctttaagaga gggattcctg aatgattaaa ctgccaagga aaaaagagtg 120  
 aattcttcct ttttaataaag gtgacctagg tcctgaggaa gttaggaaaa aagaaaaact 180  
 cacattatac ttgttaaatt tgttttcaaa tgtgattatt aagttgttgt atttattttt 240  
 tgttatagac aaagcaaacc caaaaactag tctaaaaaag aattcctatg cattattaaa 300  
 agagatagta ataaaatatg tattggtggt gaagaattcc acaagcactc aagattgaca 360  
 taaccttt 368

<210> 12621  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens

<400> 12621  
 ttgtttgtgt tttgaggcag agtcttgtct tgctgcccag gctggagtgc agtggcacga 60  
 tctcggtcca ctgcaagctc tgcctcccgg gttcacgcca ttctcctgcc tcagcctccc 120  
 aagtagctgg gactacaggt gcccggccacc acgcccggct aatttttttt gtatttttag 180  
 tagagacggg gtttcacat gttgggctcg at 212

<210> 12622  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 12622  
 taagacaaaa agatcgtttt tattcacttt tgattacaaa aaaagggttac atgaataaaa 60  
 taacaatttc ctttaagaga gggattcctg aatgattaaa ctgccaagga aaaaagagtg 120  
 aattcttcct ttttaataaag gtgacctagg tcctgaggaa gttaggaaaa aagaaaaact 180  
 cacattatac ttgttaaatt tgttttcaaa tgtgattatt aagttgttgt atttattttt 240  
 tgttatagac aaagcaaacc caaaaactag tctaaaaaag aattcctatg cattattaaa 300  
 agagatagta ataaaatatg tattggtggt gaagaattcc acaagcactc aagattgaca 360  
 taaccttt 368

<210> 12623  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<400> 12623  
 ttgtttgtgt tgttttgagg cagagtcttg ctctgtcgcc caggctggag tgcagtggca 60  
 cgatctcggc tcaactgcaag ctctgcctcc cgggttcacg ccattctcct gcctcagcct 120  
 cccaagtagc tgggactaca ggtgcccgc accacgcccg gctaattttt tttgtatttt 180  
 tagtagagac ggggtttcac catgttgggc tcgat 215

<210> 12624  
 <211> 1969  
 <212> DNA  
 <213> Homo sapiens

<400> 12624

tcagattatg	attaaattag	atattaaaca	cttcaaccac	ataagaatat	tgaggactgt	60
tgaatgagtc	ctgtgctctg	gtggtcctgg	aacttaattt	tatttatgaa	ttttcagtca	120
ttagagaaga	gtatggtgtg	gatatgggag	gttggattag	ccgactaaac	tttgaagttt	180
gcaacttttag	cagatgttgg	gatagaagtt	aacacagtag	ttcaaattga	tttcgcactt	240
catggtttat	agaaatgctt	tcacattcat	atctgaatat	ttgaaacaac	ctagtgggta	300
ggtaggtaag	caattttatc	tgtgtttccc	atggaagaaa	ctgaggctgg	gagatgttca	360
ttgtttgtta	tccaagggtca	tatagctagt	aagtagaaga	gtccagatgc	aaacccaggc	420
cacctgaaca	atgttcacat	cattttacca	tggagaagag	attagtgcct	ttatttgtct	480
aacactctgg	tcagtgaat	taaagtatct	ccgtgtgaaa	cagcatgcaa	aaggctttgt	540
ttctaataatt	tttaacaaat	cccttttagat	cggtgggaat	taaacaaata	cctagggcag	600
tgtggactta	cctgaagtct	tttgacattt	tatgaagttc	tgttaaacct	agaaataaag	660
tcaaataaat	tttttattgc	tttagagaca	tagttattgg	aagttattta	tagttttaa	720
atgtagccat	aataattatt	cgtgactata	tttcaagata	gtttattcag	caagcactta	780
ctgagaacct	accatgtact	gggcactgtg	ttcttaaaag	gactaattga	tgagctcagt	840
ctagtggggg	agatgagtaa	accagcaatt	ataatacaga	gtactacttg	agtagaggta	900
cgcataggga	aaaccctgta	atagagggag	cactgtctgt	gttaccta	gcagacttga	960
ggtaattcga	aaaggcatgt	taagccatgt	gatgcttgag	tacaatcttg	aaagcatgtt	1020
aataacttaac	ttggtaagaa	cattttaagc	gaataacagc	ctatgcaa	acacagaggc	1080
atlttgagaat	gcggcactta	gagggagcta	caaatagatt	gacatggcaa	gagtatgcac	1140
tgactgttaa	gggatggaag	gagttgagac	cagagagaga	gagacatgat	taggattgtg	1200
aagagcctta	gatgacatgc	ttttaaaaag	ttagtacttt	ttcctaaaga	taattgggag	1260
tcattggtga	attttaatat	ggaaatgctt	gctatccatt	tatgtttgca	aagattacat	1320
aatagtgtgg	aggatggaat	tggtggtgca	ggatatgaga	ttggaagcaa	gaataaccagt	1380
tagttacgat	agtaaccatg	tcataaatgc	tccacgtcca	aactggtact	gacattagag	1440
agaaaagaaa	gaaatttgag	aaataattag	aaggttgaga	tttaactagt	cttggtgaga	1500
gagagagata	gtcttcagat	gtgggtttgga	caaattgggtg	gatggcgatg	ctggtcaaag	1560
ccaatacatg	gttgaaaaag	ccggtttctg	tggctagagg	gtgttgatga	gctcagtttg	1620
agatatlttg	agttgaaggt	acctgtggga	atttacggtt	agaaataact	gttaggaggc	1680
tgggcatggt	gtctcacatc	tgtaatccca	gcagtttgga	ggctgagggtg	aacagattgc	1740
ttgagatcag	gaattttgag	accagcctgg	tcaaagtgggt	gaaaccccat	gtctactaaa	1800
aattcaaaaa	ttagctgaca	tgggtggcggg	cgctgtaat	cccagctgct	tgggatgctg	1860
gcttgaaacct	gggaggtgga	gtttgcactg	agccaagatc	acgtcactca	ctccagcctg	1920
ggcgacagag	caagtctcaa	taaagaaaaa	aagaaaaaaa	aaaaaagaa		1969

<210> 12625

<211> 1973

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (737)

<223> n equals a,t,g, or c

<400> 12625

tcagattatg	attaaattag	atattaaacg	cttcaaccac	ataagaatat	tgaggactgt	60
tgaatgagtc	ctgtgctctg	gtggtcctgg	aacttaattt	tatttatgaa	ttttcagtca	120
ttagagaaga	gtatggtgtg	gatatgggag	gttggattag	ccgactaaac	tttgaagttt	180
gcaacttttag	cagatgttgg	gatagaagtt	aacacagtag	ttcaaattga	tttcgcactt	240
catggtttat	agaaatgctt	tcacattcat	atctgaatat	ttgaaacaac	ctagtgggta	300
ggtaggtaag	caattttatc	tgtgtttccc	atggaagaaa	ctgaggctgg	gagatgttca	360
ttgtttgtta	tccaagggtca	tatagctagt	aagtagaaga	gtccaaatgc	aaacccaggc	420
cacctgaaca	atgttcacat	cattttacca	tggagaagag	attagtgcct	ttatgtgtct	480
atcactctgg	tcagtgggaat	taaagtatct	ccgtgtgaaa	cagcatgcaa	agggctttgt	540
ttctaataatt	tttaacacat	cccttttagat	cggtgggaat	taaacaaata	cctagggcag	600
tgtggactta	cctgaagtct	tttgacattt	tatgaagttc	tgttaaacct	agaaataaag	660
tcaaggaaat	tttttattgc	tttagagaga	tagttattgg	acaggaagtt	atagttttaa	720
taaagaagcc	atattcntag	tagagacctc	ttttcaagtt	gggttatatg	aggtttctct	780
aagaggtttc	tcttctatgg	tagtgagagg	ctgtgttctt	aaaaggacta	attgatgagc	840



tgtttcttgc	atctcttttc	cattattcat	agaaaattat	ttagaaaata	ttaagtgtta	1380
gtcttaccat	gagttagtaa	gacatacctt	cttagtagct	tatatgtcct	gtatatcctg	1440
ggaaggtagg	attgttgatt	tttaataaat	ctgaaccctg	tctttgggtt	atattaattt	1500
actggagaaa	ctcacagaac	tcagggaaac	acattttaccg	gtttcataca	aaagatatga	1560
ccaaggatac	agataaggag	atgagcaggg	tggggaatgg	ggaagaagct	c	1611

<210> 12628  
 <211> 65854  
 <212> DNA  
 <213> Homo sapiens

<400> 12628						
gggcggggct	tccggcggcg	cctcaggtcg	cggggcgcct	aggcctgggt	tgtcctttgc	60
atctgcacgt	gttcgcagtc	gtttccgcga	tgctgcctct	gctgcgctgc	gtgccccgtg	120
tgctgggctc	ctccgtcgcc	ggcctccgcg	ctgccgcgcc	cgcctcgcct	ttccggcagc	180
tcctgcagcc	ggcaccgccg	ctgtgcaccc	ggcccttcgg	gctgctcagc	gtgcgcgcag	240
gttcgcagcg	gcggccgggc	ctcctgcggc	ctcgcggacc	ctgcgcctgt	ggctgtggct	300
gcggctcgct	gcacaccgac	ggtgaggttt	agcgggcccg	gggtgtgggt	tgcgttcaac	360
agagggaaaa	cgtagaccag	gaatagggcc	tgcaaccgac	ctctgaggtc	tgggacattt	420
ttccattgat	tggcaaccag	cgggctaaac	ccacgtatga	tcataattcc	cccacctccc	480
ctatccagca	gtttcgtttt	cttttggtag	ggggtgaata	aaattaaata	ctaggggtacc	540
tttttcctta	gtcttattct	atcgaaagt	gacctttggg	aaggcccatg	gtcgtgggtg	600
aaaatagcat	agttatatcg	tttggaagt	ggaagaggat	tggaaattct	cctggtttat	660
agcggaaaagt	ggtaatgcgt	tcattgttgg	aaatcacctt	tccagaatca	ggctcagctt	720
cctactacta	ttatgggtatt	tttaccgata	aggaaacagg	cttctagagt	aaccgtaata	780
gcagagagat	tagaaacagt	ccagggtttc	ggctgcaata	acctgggtaa	tagttttatg	840
ttttagacta	actggctttc	ctttttatgt	atctggattt	cttttctagg	agacaaagct	900
tttggttgatt	tcctgagtga	tgaattaaag	gaggaaagaa	aaattcagaa	gcataaaacc	960
ctccctaaga	tgtctggagg	ttgggagctg	gaactgaatg	ggacagaagc	gaaattagtg	1020
cggaaaagttg	ccgggggaaaa	gtaagtactg	gtctggggat	cccagggcag	caactccctt	1080
aaccttgtag	gacctatcct	gggtcatccc	cagaagagcc	ttgagttcag	gtgtgggatac	1140
tttgataaat	gggtttcaag	agagtgaagg	attcatttgg	acaacttcgt	aagccccagg	1200
cagtccattc	accgaacaca	aatttgcgtg	gggctgggta	ctaaggagac	aaaaatgtag	1260
tgcaaaaaag	tactggcaga	atcagtttga	tctctgattt	acagccctga	taaaatagga	1320
cactgctctc	taatgttttag	tatgggtgaa	aatgaaaaat	atgtaacttc	tatgtaacag	1380
gatgggggta	cactgtagta	agggctgcca	tcagaggtgg	ggagtttgtg	acctaagtca	1440
gctcccccat	catctcctaa	actgtttaaag	tgtttacact	tttctgcatt	atagtcattc	1500
ataatctcat	tacacagata	aacatttggc	atcttccagg	tttttaaatt	gagcctgggc	1560
gcggtggctc	acaccataaa	tcccagcact	ttgggacggg	cagatcatga	ggtcaggaga	1620
aaatcctggc	taacactaaa	accctggctc	tagtaaaaaat	taaccgggta	tgggtggcacg	1680
tgctgttagt	cccagctact	cgggaggctg	aggcagggga	atcgcttgaa	cctgggagggt	1740
ggaggttgca	gtgagtcgag	atcgcgccac	cgcgtccag	cctgggcaac	agagcaagac	1800
gccatctcaa	taataaataa	ataaattgaa	tttccctcat	aattgacctt	atgatgtgta	1860
tgtaattttt	ttaaatcaca	gcttttatga	gattttaattg	agatggcata	cgattttacc	1920
atttattgaa	gtttattaaa	ttaagtgggt	cttagtcctc	gcagaattat	gcatcagtta	1980
tcactaccta	attctagaac	actgttgtca	tcccaaaaca	atacctatta	gcagtcactc	2040
attattcctc	cctgtagcca	ccccaggtaa	tcactaagct	actttctcta	tgggattgcc	2100
tcttttggac	atttcatata	aatggagtca	tacaatttgt	agcttcccc	cccaacccca	2160
cggagtcttg	ctctgtcacc	caggatggag	tgcagtgggtg	cgatcttggc	tactgcaac	2220
ctctgcctcc	caggttctga	caattctcct	gcctcagcct	ccttagctgg	gattacaggc	2280
gtgcgtccgg	tttaattttt	tatttttagt	agagcagggt	tttcaccgtg	ttggccaggc	2340
tgggtctcaa	gtcctgacct	cgtgatccgc	ccgccttggc	ctcccaaagt	gctgggattt	2400
cagggtgtgag	gcaccctgcc	cacctatttt	acctttttta	ttgttgggtt	gtaaaagtta	2460
agtttttctg	ggtacaaacta	tcttatcaaa	ttaatgattt	gtaagtactg	tttcccatct	2520
tgtgggtttc	cttttcaactt	tcttggtaat	gtcctctgac	acaaaagtgt	tttaattttga	2580
ggaagttcag	tttacctatt	tttttggtcg	cttgtgcttt	tttattttatt	ttttactttg	2640
cttctaattc	accaagtgc	acttgtgctt	tttttagtgc	acgtctaaga	aaccactgcc	2700
taaccaagg	ttgtgaagat	gtatgcctta	attttttcaa	agttttctag	ttttagctct	2760
tagtttaggt	ctgtgattca	ttttgaatat	gggtgtgaagt	agggtcctga	ttctcttgcc	2820
tgttgcatag	tgtgtttttg	ccctacacag	gtcaattgtg	tcttctgtaa	tctcacctaa	2880

acaccatttg	cgcaagggtt	tcatagctat	ttgggggcca	ttaaaaataa	tgtctgatg	2940
aacgtcattc	aatttctgtg	cccaggagct	cagcttagtc	agcacagttg	gaattagaca	3000
gattttgtca	acctcagact	gcctctgttg	ccatggaaag	gtggcttcc	ggcagagcag	3060
ctagttagca	caagtggagg	gcggcacttc	atgtactctt	tttttttttt	ttttttttct	3120
gacagagtct	tgtgtgtctt	ccaggctgga	gagcagtggc	gtgatctcgg	ctcactgcaa	3180
cctccacctc	ccaggttcaa	gcaattctcc	tgcctcagcc	tcctgagtag	ctgggattac	3240
aggcgcgtac	caccacgccc	agctaatttt	tttttttttt	ttttttttgt	attttttagt	3300
agagatggag	tttcatcgtg	ttggccagga	tggctcgcgt	ctcttgacct	cgtgatctgc	3360
ccacctcggc	ctcccaaagt	gctgggatta	caggcgtgag	ccactgcgcc	cagccttcat	3420
gtactcttgt	gtggaatggt	gcctgccaga	gttgcatagc	ccagcagttt	tggttctaaa	3480
ccttatgtcc	caagaatttt	gactcaaact	ttggaacatg	atgtgtcagg	tgtggattct	3540
tgcaccttaa	aattgtcact	agttgggtgt	tctggcctgc	tttgtgatta	tgaacttcc	3600
cacaagtact	ctaagggatg	agtctctact	acagcccttg	ttctttgtga	ggcattccct	3660
tccccgttcc	agggtgtctc	tcggtgttta	gcagaggcac	cctccatcgc	ttcttccctt	3720
ccttgcaggg	caaattttct	gacggggaaa	gtctcttaaa	ggggcttctg	ttccatctca	3780
ccagcctctc	aggctcctac	tttgaccaag	ggttccctgg	aaagaccagg	gtgggcagtg	3840
tcagctggct	gtggccatga	gatgccagtg	cagcacatgg	cagtgaagcc	tggggtactg	3900
gcctgtttgg	gagtaaccca	tgcattgact	gtttggctga	gataaactga	ggccagcttt	3960
ggcttccagc	agctggtaca	tggtaggcac	acttcagacc	tgtgtagtca	ctcaggattg	4020
gatgtaggca	cccagcctag	tttgaagttc	tgcataata	tcagccagct	aggacagaga	4080
cattgtttca	atacgccttt	ttactgttag	cagatttcca	tgtttatgtg	ttaacctgct	4140
cgggttaaac	catgccttgt	ctgttttgcc	ttgtctgttt	ttccttgccg	ttttagaatc	4200
acggtcactt	tcaacattaa	caacagcatc	ccaccaacat	ttgatggtga	ggaggaaccc	4260
tgcgaagggc	agaaggttga	agaacaggag	gtaagcta	actataatca	gcttttacct	4320
cagttctgac	aggctgtgcc	tggggcttag	aggaggagcg	tttttctttg	gtctttcaaa	4380
aaaaaaaaaa	tcctctaagt	ccagtcgcac	ggctcacgcc	tataatccca	gcactttggg	4440
aggccgagac	gggcagatca	cgaggtcaag	agatcgagac	catcctggcc	aacatggtga	4500
aaccccgctc	ctactaaaaa	tacaaaaatt	agctgggcat	ggtggcaggt	ccctgtaatc	4560
ccagctactc	gggaggctga	ggcaggagaa	tcgcttgaac	ccggggaggca	gaggttgccg	4620
tgagccaaga	tcacaccact	gcactccagc	ctggcgacag	agcaagactc	tgtctcaaaa	4680
aaaaaaaaaa	aaaaaaaaaga	gagagagaat	ggcaggggca	taagagactt	taactggatc	4740
atgcctactc	ttcaaacatt	tcagggaagt	ctgtgccag	cctagtaacc	agccagtatg	4800
aggggccacag	agtcctctaga	cattctgccc	aagagccatc	agtacagtgt	tgggtcatga	4860
cctgggtgtg	acggcgacgc	tctctggtgt	gctgctttcc	cagccacccc	aactagcatc	4920
tccttgacgt	tggaccagtg	ctgctcccag	agctccgcac	cagaggaaaa	gctgctgtg	4980
ttattcagcc	ataaggatgg	ccagggtccc	cagcctttga	ccctgggtccc	ttatgaagac	5040
tcctggaaca	gtcaagctgg	aaagagatct	tgaactttta	ggaaagcttt	gcagtgtacg	5100
ggtggaggaa	aaggcttgga	atgttaaggg	actgatataa	actcagttaa	ttggcacata	5160
gctgaggctg	gtatccacat	ttcttaactg	aaaaccagtg	gtgttattta	accaagcagg	5220
gtgccaacag	aagtgagatc	aagctcttca	tttggaata	gtatggcata	agactattca	5280
aatggctaca	taatataccta	atagtgggtg	ccatcagaca	ctctgaacag	agateccttga	5340
tcagccatc	catctccttc	cagcagcagc	atgtattgac	ttcttgtttc	cccagcctga	5400
actgacatca	actcccaatt	tcgtggttga	agttataaag	aatgatgatg	gcaagaaggc	5460
ccttgtgttg	gactgtcatt	atccagagga	tgaggtatgc	aggatggagt	gctagcctct	5520
tggcaccctc	ggggaacagt	gtgtcccttg	ggaacttcc	gtccctattt	tagcagaaat	5580
ttaaacactt	ttctagctta	gaccagccca	gcagggggag	agaggtgggg	agtgagggaa	5640
gaggggttaa	acctgatgag	tttcatgctg	tcagtggccc	cctttcttcc	cctgagtcta	5700
gcttgtctcg	gagaaccctt	cagttttcca	atattgtttc	ttctcaggtt	ggacaagaag	5760
acgaggctga	gagtgcacatc	ttctctatca	gggaagttag	ccttcagctc	actggcgagt	5820
ctgaatggaa	ggataactaat	tatacactca	acacagattc	cctggactgg	gtgagtgtct	5880
gataaggtgg	gggaaccctt	tgggccttgg	aaggaagggt	cctagttcaa	ggggagaaaa	5940
aagcattttt	atgttcatta	cagatttttt	tttaactagt	aaatattgtt	ccttgagggc	6000
cttatatgac	cacttaattg	atttccttgc	cgaccgaggg	gtggacaaca	cctttgcaga	6060
tgagctggtg	gagctcagca	cagccctgga	gcaccaggag	tacattactt	ttcttgaaga	6120
cctcaagagt	tttgtcaaga	gccagtagag	cagacagatg	ctgaaagcca	tagtttcatg	6180
gcaggctttg	gccagtgaac	aaatcctact	ctgaagctag	acatgtgctt	tgaatgatt	6240
atcatcctaa	tatcatgggg	gaaaaaatac	caaattttaa	ttatatgttt	tgtgttctca	6300
tttattatca	tttttttctg	tacaaatcta	ttatttctag	atttttgtat	aacatgatag	6360
acataaaatt	ggtttatctc	ctccaaggca	gtttgtcttt	ttctattcct	cccccttcaa	6420
cctgcgtcac	aaaagaccaa	gaacagatgt	cggaaaagtt	tttttttctt	cagtattgtt	6480
taaaagtttc	aatacaaaa	aagttataaa	taaaaggctt	gtatgtacaa	ggctcctcag	6540

agggaaatgag	ttgtcttcaa	ccccatagaa	tgatgtgagt	ccaagctggc	tctagaggat	6600
cacagcccaa	gtatcacagg	cctaggttta	aacaggaaaa	taattagctt	aaattgtatt	6660
ctagtcatga	aagatatctg	ataaaagttg	taatcaatga	gaattctaca	cattagatga	6720
gggtctcctga	gtccagtttc	aattagttca	gtagtgtagt	ttgtcatgat	gaccgcccct	6780
ctttggcatt	gctggacctc	tgtcctgcag	ccttcaaaca	actgccctgg	gaaccatcag	6840
catcaatagt	cttcaagcta	agatcaaate	ctgtagatga	actaatcaaa	catcctcacc	6900
atcaggaaac	cactgaccag	aaagattgta	ttcaaactct	tgatagcctg	gagcttttag	6960
agcccagcag	gaagatgaga	ctccaaatct	acacaagatt	gaagcaggta	tgtatcatag	7020
gggaggtgca	aaccatgcat	gatcagtagc	ggcagaaaaa	atgtaaagac	atgatcagta	7080
agcacctgag	tgtaaaactg	cctcccgact	cctgggtggc	tcagcctctc	cactatgcta	7140
aggaatccag	tctgtcctta	acccatttat	gccagagggt	gcaaattttt	ttgtgtgaaa	7200
aatcagacct	tggcgatgac	cttgagcagt	aggggatcaa	taactcccac	aggcttagcg	7260
ttccaataat	taaacagtag	gcataagtgg	gttactcttg	tttcttacca	cttccacagg	7320
taatatgttt	ggctttctct	aaaagacact	gtaactctgc	taataggcgg	tttggcatat	7380
tccatcccag	gaccaccact	tgagcacccg	cacatccgaa	acattcctcg	tcttgtgata	7440
gagtgcattc	ttctgtaacc	caccctctat	tttcaacaca	tcctcagcca	tctgtcctga	7500
gcgtccctac	gtcctgacct	cactggattc	taacacaatg	gtccttgatt	cccccttaag	7560
tgaaaaccaa	aggcttagtg	gaactagagc	attccaaatg	tctacctttc	caaattgttg	7620
actcaagacc	tacagaatac	aattttgtct	ttccccctcc	tctttttttt	ttttttttta	7680
ggcacaatct	cgctgtcacc	cagcctggag	cgcaatggcg	ccctctcagc	tactgcaac	7740
ctctgcctcc	tgagctcaag	ccatcctccc	acttcagcct	tccgagtagc	tgggagtaca	7800
ggtgcgagcc	accacaccca	gctaattttt	gtatttttag	tagagacagg	gtttcaccat	7860
gttgccccag	ctggctcttg	attcctggcc	tcaagtgate	ctcccacctc	agccttccta	7920
aatgctgggg	ttacagggtg	gaaccacagt	gcctggctgt	gtttctcata	tttgctgtga	7980
cccccacctc	ccctcactta	cccaacaatg	gtcttccctg	ccaccccaga	gccggcactg	8040
tcaactatga	tctccaagac	tgctgcacag	cactcacctt	ccaaacctca	cctcctactt	8100
agcttcactg	ctgctctgag	ccacagggca	ctgacgggta	gggtgagtgg	taactggggg	8160
ccataacaat	tatatgctga	gctgaagctg	tacacttggc	aattaggcca	tcttccactt	8220
accttttaat	tccccctctc	ttcccccgac	cagcattttg	tctttcacac	tcaaggggac	8280
tttcatactc	aaggagctgt	agactccagc	tctgttacca	ttataatctg	tgtggatgac	8340
tcaactgttca	ccttactaag	aagacagaag	ccaaagccag	ctgacctgtg	cctcaactct	8400
cctccctcca	ccttaactca	tttgtacaaa	catcttaagc	acctctttat	taatatatgc	8460
caagcactgg	aaataaaaaa	aaatatgggc	cttgccctca	aggacaaaag	cataagcagg	8520
taactacaac	actgtttacg	gtgacatggc	atgaggtacg	gtgaaagccc	aaggagagac	8580
tggccagttc	ccctctgcca	gccctcatta	ggtttattga	gaatggtaac	acagactcca	8640
aaggaatgga	cttcccaggc	tggccaattc	tttttttggt	tgttttgctt	tttttgagat	8700
ggagtttcac	tcttggttgc	caggctggag	agcagtggcg	taatctctgc	tcaccgcaac	8760
ctccgcttcc	tgggttcaag	tgattctcct	gcctcagcct	cgcgagtagc	tgggattaca	8820
ggtgtgtgcc	accatgcctg	actaattttt	ttgtattttt	agtagagaca	gggtttcatc	8880
atattggcca	ggctggctct	gaactcctga	cctcagatga	tccgaccgcc	tcagcctccc	8940
aaagtgtggg	gattacaggc	gtgagccacc	gcactcagcc	accaattctg	tttttgagac	9000
agaatctcac	cctgltgccc	aggctggaat	ccagcagcac	gatctcagct	cactgcaacc	9060
tccgcctccc	gggttcaagc	gattctcctg	ccccagcctc	ccgagtagct	gagattacag	9120
gcacccacca	ccatgtccag	ctaagttttg	tatttttagt	aaagatgggg	tttcaccatg	9180
ttggccaggc	tgggtctaaa	ctcctgacct	cagggtgatct	gcccacctcg	gcctcccaaa	9240
gtgctgggat	tacaggcgtg	agccaccgtg	gccagctgag	actggccaat	tccttgtagg	9300
gaatcaggct	gaatgaagta	cacggcatat	tgtagtgtct	ggtaaatatt	tgtgcaaatg	9360
atccttaaat	gtagtgggag	gagtcaaagt	cattcagaca	gaacagccta	aacaacagca	9420
cagaggcctg	aaagcactgc	atatttgagc	atctgctacc	agtgtggtat	agctggaaca	9480
gaagggaaca	tatgcttgta	gtcaacagga	agtagtgagg	ggttttatct	aaactttcac	9540
ctgctatgtc	tctttccata	caagctgatg	gaaaatggca	tccttccacc	aaggcctgag	9600
cctggagcag	gaaacagcag	gggactggga	accacaaaga	cctgggggtct	aacaccagct	9660
ctatcgctta	ttagtagtaa	aattttggcc	gaatttcatc	acttctctga	atctgtttcc	9720
tattcctaac	aggaactatc	ctctccctca	tgaacctaat	gctccagcta	agtagaacia	9780
gatgctcttt	gtatatactc	cagtttccctg	cttctctgcc	ttgttcttct	atgtggggat	9840
cttccactta	agctctaccc	ccacaactca	ccagatctcc	atgtctgtcc	agatcgattc	9900
catgcttcaa	ggccaagtta	aatgcctcct	ccaggaaggt	gtcaccataa	aggagatcac	9960
cctcctctga	actcccataa	gccctccttg	tacagctctc	cagggtactg	cctgtttatt	10020
ctgttctctt	attaccaacc	caaggcttga	gctctgtgag	agatgtgtat	ttctcaatgt	10080
taatgagtc	tcaattcatt	ttttttttta	tgaatgagta	gaatacctat	ggaagaaact	10140
tgataaaggt	gaaatggctg	ttaccaggca	atgctgtcta	taataaaaaa	gacctctgta	10200

ggttaactgc	atttggaatg	acagggccat	gaaggaattc	taaattccca	gtagaaagcc	10260
atggctatga	acttcctgaa	gtacagtgtg	ctcctaattc	caaggctccc	cctgcctggg	10320
atctaaaagc	aataataata	cgtatcatat	tggttttatg	tgtgtttgtg	tgatatatat	10380
acacatgtac	atacatacat	acacatatat	ggaaaggaca	tggattataa	gagatatttg	10440
ttcctatagc	acgcttctaa	gacaggtggt	tcccttacc	acttgtgttc	ctggccctca	10500
cacctcagtt	gtcactcag	ttagcgaata	gcccttggac	ctctgtaaaa	actccactga	10560
cagacaaacc	taatgctgcc	ctgtctatgt	tctgccttgt	tcccttccgc	aaaagtgggtg	10620
ccagcatggc	ctatctgggt	cttatgacta	tgaaatgacc	agctgaatcc	aaaaccacta	10680
ctactgatca	aagaagagca	ggtgtggagc	caggcgctct	aactcccaga	ccaatcctct	10740
tgccgtgatc	ccatgctgcc	tcttcccttc	ttcttgactg	gcctttgagt	ctaaatgact	10800
tgttaccttc	acttttctat	gcaggtaaat	tcctcagata	ataaactgca	ttaaactttt	10860
acctgtttat	aggtcattat	ttctatcaag	gtgggaataa	aaccaaccac	aggtccctct	10920
taccacagag	tgggtcccag	gagacgtta	ccagatcggt	catgagaaga	ctggactttt	10980
cttctgttcc	tccagtga	gaaaactcag	gtgtgtgggg	acaatgtgca	ctgtgctcat	11040
ttatactacc	ctctaaacag	gcacgaagct	tctgtctgt	caactcagaa	gactacaaaa	11100
taaaaaagtt	caacctcttc	tcagtgaact	gatagccaac	agatggaaaa	tcctcatttc	11160
tcatgccaac	caatataacc	gtggctcact	gtgatggctt	gactccttgg	agccttaaag	11220
acactcgggc	ccatgactgt	accaagatct	cttaacccat	ctccatttaa	ctgcctctcc	11280
agattaacca	acgccctcta	ctcctgctgt	caaacacact	gatggccact	catggcagga	11340
agaacgctca	gagattgtag	gctacttttc	agcctccctc	tgctcttgcc	cccaccagct	11400
gagtgcatcc	ttaccaacaa	ctcagcagta	atgctccgc	gtctgtctgg	gttacttgaa	11460
cttctactgt	taactcagta	atgtcaatta	cttattatgt	aaataataag	ttttattttt	11520
atagtataaa	gtagaatggt	taggaaacaa	acagatgagc	tgcttaaaaa	aaaaagaaag	11580
aaagaaaaag	agctatagaa	ttaggtaaaa	gatggggagg	aaaaattcct	aagttgtata	11640
ctcagtttct	tgatccactt	tatggaatta	aaaccggaaa	ctctggacta	tgtattatag	11700
aagttgttta	tgtaaaaaag	gtgactcagc	gaggcacagt	ggctcacgct	tgtaatccca	11760
acactttggg	aggccaaggt	gggcagatca	cctgaagtca	ggagttcgag	accagcgtga	11820
ccaactatggt	gaaaccccg	ctctactaaa	aatacaaaaa	ttagccaggc	atggtggcac	11880
gtgcctgtaa	tcccagctac	tcaaggagct	gaggcaggag	attcgcttga	actcgggagg	11940
tggaggttgc	agtgcagcga	gatcacacca	ctgcactcca	gcctggttga	cagagtgaga	12000
ctctgtctca	aataaaaata	aaaataaaac	aggtgactca	gctctccaat	cagcagggcc	12060
ccactcaaag	gctggcaaat	aaattttatgt	gtttgaaact	taccataaaa	cattttattt	12120
ttataatttg	cctctttaac	caatcgctca	attaactggc	aaacttgcag	tccccatcat	12180
gccagataaa	agggcttttt	ctgtatttta	agattactga	aggccgggcg	tggtggctca	12240
cacctgtaat	cccagcactt	tggaaggctg	aagtgggttg	atcacgaagt	caggagttcg	12300
agaccagcct	ggccaagatg	gtgaaaaccc	atctctacta	aaaataaaaa	aaaaattagc	12360
cgggcgtggt	ggcaggcacc	tgtaatccca	gctacttggg	aggctgaggc	aggagaatga	12420
cttgaacccg	caaggcagag	gttgacgtga	gcctaaatca	gcctcagtga	ctccagcctg	12480
ggcaacagag	tgagactccg	tctcaaaaaa	aaaaaaaaaa	aaattactga	agcttaaaatt	12540
ctgaattagg	tatgtcttca	tatatagaaa	atttttatga	aacgtcagat	acaggcgtta	12600
ccaatcccaa	gctgaggtct	ccataaaaac	gttaagcggg	gatggctctc	cagggcccta	12660
aaggctctga	tgtgtactgt	ttgccaattt	tcatgccata	gatattctca	ccatggctga	12720
tttgaagcta	ccaatgtgac	accactgaac	ataaaactgg	gaagaaatat	gcacaatggg	12780
cttcaagcta	gcactggagg	atcttcaaga	aagtagatcc	atgtgggaag	aagtatcatg	12840
aaatctgtgt	tgtgaacact	cacatgagat	ggagtgga	ggccactcgt	acaccacc	12900
acaccgcttg	tgatttctag	gttgtagcta	ggaagcagaat	taggactcca	gagcatcatg	12960
gccaccagac	ctggatctcc	aaaccttgaa	tttcaggcaa	caaactctggg	gggagattcc	13020
actcaccttg	gagtggggaa	tgggaacgaa	taatgctgaa	aaggttttaa	aaactcttac	13080
tttgtacata	caggacagat	gagtgggttt	gcctcccact	cagccagcat	gatgctgaga	13140
cacttttcat	caaactgcaa	gctcttctca	tactcgctga	tgatggactg	ctctgcaagg	13200
caaaggcagt	tggagggctt	caccatgctt	cagctggccc	tgtatttaatt	tctaaacttc	13260
actgtcaaa	gcttctctca	cacgagggaa	agatttgggc	aagaccacaa	taccaatgac	13320
tgttttttat	gctctctcag	gctgggtcca	tcttgctgga	tccctctccc	tctctctgt	13380
cccttttttg	tgagcacaa	aggtgaagta	ggctaagggc	cgaggagaca	attttcacac	13440
acatctccag	aggccatagg	agcacagata	cagaatgtca	gggtcccaca	ggcaactaaa	13500
taaagttgac	aaagagaact	gattgctggc	cgggcacggg	gactcacacc	tgtaatccca	13560
acactttggg	aggctgaggc	aggcagatca	ctcgagggtca	ggagttcgaa	accagcctgg	13620
ccaacatggt	gaaacccatc	tctactaaca</				

attccacata	cttggaatct	gtgttgttca	gaatctgtgt	gctcattcat	tcagcaaaaa	13920
tacaacagta	cctagtattct	gctagctcaca	ggggcacaaa	gatgaaaaag	actgtcattg	13980
ttgagctcac	agtctagaca	ttagggaagg	gggtcaaaaa	ctacagtcac	gcttatttgt	14040
ttatgtagt	tctataactg	cttttccact	agaactgcag	agctgagaaa	ttgtgccaga	14100
gaccacatgg	tctgtgaagt	ctaaagtatt	tgctatctgg	ctcttcacaa	aaagtctgcc	14160
aactttctgct	ttagaatgtt	ccttatggct	gagtacagca	caacacagta	aatccttgct	14220
acttcagact	tattagttaa	gtatgcccc	aaataaaa	tttgggtcagg	cttatgtttc	14280
accactaaga	taggttttgt	aggtggggga	agggaaaatc	aataaaaaaa	gatgataact	14340
taaggaattt	acagcttaac	cagagctcgac	agcaaacagtc	attaacaact	aacacttgca	14400
tggcacttat	gtgtcacaat	ctattttaaa	ttccttcat	attattaact	cttcactatt	14460
tttactctta	tttcaaaggt	gaagaaactg	aggcacgggg	aaattaagt	ctttgggtcgg	14520
tgccacacaa	attaaagtag	taaagccaag	tgaatgttag	aggtagtact	caagagcttg	14580
tgctcttgcc	tcaccataat	aatagctgtt	gattattgaa	agctctctat	atgccagaca	14640
atgcactaag	tcttctacac	acgttattta	agccttacaa	caaatttata	gggtattctc	14700
tccattttat	aggtcataaa	aatgaagcct	aaggctgggg	gccatgcctc	atgtctgtaa	14760
tcccaacact	ttgggaggct	gaagtaggag	gatggtttga	gtccagctgt	ttgagaccag	14820
cctaggcaac	atagttagac	cctgcctcta	caaaaaaatt	taaaaaatta	ggctaggcat	14880
tttggctcat	gctctgaatc	tcaaaacttt	aggaggtcga	gggtggggga	tcacttgaga	14940
caggaggaga	gttcgagacc	agcctgggca	acacagtgag	acctgtgtct	tacaaaaaaa	15000
taaaaaaatt	agctcgggtat	gggtgtgcac	acttgcggtc	ccagctactc	gggaggctga	15060
gatgagagga	ttggttgagc	ctaggaggat	gaagccacag	tgagccatga	ttacatcact	15120
gcactccagc	ctgggcaaca	gagcaagaac	ctatctcaaa	aaaaaaaaaa	atacataaat	15180
aaaataaatt	tttgtcttgt	ttttatcatc	tttagctaaa	aaaaaaaaaat	taataaaaaa	15240
aaattagcca	ggggtggtgg	cacacgccta	tgatcccagc	tattcagaag	gctgaggtgg	15300
gaagatcgct	taagcccagg	aggtcaaggc	tgcagtgggc	cgtgatcacg	ccactgcatt	15360
ccagcctggg	cagagaccct	gtctcaaaaa	aaacaaaaaa	aaaaaccaaa	caaggcctaa	15420
tcaaatcagg	gctacatgga	ataaatgact	taactatata	aggtagcaaaa	ttatgtctct	15480
tacaccatgc	tatggacacc	tccctcaagg	agtggatgct	cacaggccct	ggggagttaa	15540
tagagaatgt	ggcacttaaa	atgaataggg	caagggatca	gaccatgcac	tatcactgta	15600
tctgttaaaa	tggcaggttt	actttttttt	attttatttt	ttaaagtga	aggtctccc	15660
tctgtcagcc	aggctggagt	gaggtggtaa	aattatagct	cactgtaacc	ttaaactctt	15720
gggttcaagt	gatcctcctg	cctaagcctt	ctggctgagg	gaggctacaa	gtatttgcta	15780
ccacacccag	ataatttttt	tttttttttt	tttacttctg	tagagacagg	atcttgttat	15840
gttgcccatg	ctggtcttga	actggcctca	agcaatactc	ctgcctcagc	ctctcaaaat	15900
gctgggatta	caggcataag	ccaccaccct	cagtgaacta	ttaaccctt	aatagagagg	15960
caggatggta	gaagaaacat	gggaacttga	ttcatacaac	tgattttgct	tcccatctcc	16020
tccacttact	agctgtatga	cctgcacgag	aacaccaacc	accttctgtt	ctaatactac	16080
tatcttacag	ggcagtcaca	tggagaaaac	agcatcatta	aatgagaagt	tcttagcaca	16140
aggctagca	ccctggagac	ccttattatt	gagaagctag	acagccaaga	tgtagagta	16200
caaaaggagt	cttttgga	cttgactgat	ggaggtagac	aaaggggact	tataaactaa	16260
tctgtattgg	aggaaaagtc	acagtattcc	agtagctaaa	tacaggtgaag	gaaggactac	16320
cactaggggt	taccttggtt	gatcagctcc	tgttgaattt	cctcagcac	agccatgctc	16380
atcagctctc	ccagctggaa	gagaaggag	cggctacaga	agtttgaagt	attaatcacc	16440
aaccaagccc	ccagctgatt	cataacttga	ggctggcttg	aagaaccag	atttattgga	16500
caaaatcagt	ccagtcctcc	tgcagaatat	gctgacagt	gggtaatgct	gtcatgctga	16560
caagccatca	acaaatgatc	caactatcca	gtgacaaaat	aatggtaccc	aattttggag	16620
agacgatata	gggtagcagt	taggtacata	ttcttccaag	gctacgtaac	cacatgaaaa	16680
gttcctaata	tctgcaaata	tcagttttgg	cctctgtaaa	gtgggaataa	aatctatcta	16740
agagggttac	tgtgagtact	agttgtggtg	atataaggca	aacatttggtg	tactgcagga	16800
cacacaaaag	ccactgaata	atgcatcatt	attacacagg	gtgttgatgg	tttcaaacag	16860
ttgccacat	tttcttacac	agtccttaca	atgctgaaaa	cattattctt	ctattttata	16920
aatgtgaaaa	cctaaactca	aagaggcaaa	ctgaagttaa	cagtcaatag	caaaccagg	16980
atttgaattc	tggaaactct	gacttcgaat	ccagtgttct	tcctgatata	ctataaatgg	17040
ttttcccttc	cacacatggc	tgccaacgtt	ggctgagatt	agaatcgga	agtttctgga	17100
gaccttttta	gaaagagatt	cctgacgtgg	gcagatcact	agaggtcagg	cgttcaagac	17160
cagcctggcc	aacatgggtga	aaccccatcc	ctgctaaaac	agaaacaaaa	ttagccgggc	17220
atggtggcac	acatctgtaa	tcccagctac	ttgggaggct	gagacaggag	aatcgtttga	17280
accaggagg	tggaggttgc	agttagccga	gatcttgcca	ctgcatcca		



ttcatctaga	caagtctaac	attaagtgtg	gaaaagcctg	ggttaaaggc	tgttgaattc	17580
taaagggggt	taggggaatg	gtgggttttag	aggactcaag	taaacaata	aaagaggaca	17640
cgagccgttc	ttgggtgtgc	agtccccctc	cctgaaaaca	catagcccag	cctgacctga	17700
gccaagtctt	ctggacaatt	ctccactgac	tgcaaagcat	tccactcttc	ttccatcacc	17760
tcttgaacta	gaaagctggt	ctgagaattc	cctggcccac	tgcttccagc	ctggcggtac	17820
ctgttttagga	gcctgtcccc	gctgtttctc	attctctcca	ggcatctctg	ggaaaaaaga	17880
gcaagattgg	gggggaaaaa	aaaagcattt	ctatTTTTaa	aaaacactct	tacattagtt	17940
gagaaaacat	taaagaaagt	ttatagacac	aaaatttcaa	tgataatact	aactagtgtt	18000
acttttgcac	attcctctgt	agagatacat	aaaattacaa	tgctttgtac	acgtatttac	18060
aaagaacctat	atTTTTtatt	ctagcttgcc	agtttcttta	atggttgtgt	gcataatatc	18120
tcagcatcca	atgtcctatt	acagaacatt	tatatctctt	ccaaattctt	gctactctag	18180
atatggctgg	gtaacggcct	tcctgcacag	cagcgtttct	gaactcaggg	aggttttgtc	18240
ccccaaggaa	catttggcaa	tgcttggaga	catttctggt	tgtcacaatt	ctagttatag	18300
gactatttagc	atctagtggg	tggaggcccg	agacgtggct	taaacaaccc	tccacaacat	18360
ataaatatct	ccctcaaaat	gtccattgtc	aaggctgaga	aactctgctg	tatctgctat	18420
ctttcttgcg	tcgggttact	ttcttggaca	ttacttacta	ataaccacac	tgtgttcaga	18480
agaggccaga	actgaggtgg	agccctcttc	taagcctcat	tttactactc	tctagaatag	18540
aaatcatctc	tatctcacia	gacgaacgta	gacaaagtgc	ctctctcggt	ggccacctcc	18600
gcagcaacac	taggtagtgt	tattgcagag	gtgcaaacgg	tgatgtcctg	accacaattt	18660
aaattcaaaa	caaaatcgaa	tccaaaaaca	aggctttcta	ggacttgacc	gaccggtgct	18720
aatcccacac	tctacagtca	gcaggcctgg	gtttgaccag	accaggcgcg	ctgcggcacc	18780
tgctccacgg	agcagggtta	aggcgaaggc	agggaagacg	gcggtcaccg	ggacgatcta	18840
gggtagacca	ctgcacaaac	cccataccca	cctgccggaa	agcctctttc	caaggcggtg	18900
agccaccag	tttgtacagg	gagcggcgcg	gagacctcaa	cgactccgcc	atctcctctt	18960
cgcgggagac	aaagccacaa	gacccgttcc	ctggaggcgc	gcacagacc	ctgggaggtg	19020
tactttccgg	gtgcagaccg	cgaatggatc	gcagcgtatt	ctgggaagtg	ttgttttatc	19080
gaccggcccc	acgtggagac	agatttaggc	atccaagcga	aatgcgtgag	gccagcccga	19140
cctgcactga	gggaggtaa	tcttgaggga	aagttctgga	tgcttgggtt	taccagatg	19200
gaggtgtcca	ataggcaatt	agatacacia	gtctcaggct	ctccccaggt	gctagatttc	19260
cagcagcacc	accattatgt	tgacttctcg	tcccgcctcc	ttgggtctca	gaaataatgg	19320
tgattggctt	tcccttgggt	acgcccctgc	ttgggtgggt	ggcctcgctt	tcgccccccg	19380
acctggcacg	agcctctcga	gcttccgggc	cgtctgctcg	gtgattggcc	gaaacagtga	19440
gtggacggcc	gcggattggc	tgtgtctcagc	ggcggtctga	gcaactggag	tgaggggagc	19500
agttgggcca	agatggcggc	cgccgagggga	ccgttggggc	acggcgagct	gtggcgagacc	19560
tggcttccta	accacgtcgt	gttcttgcgg	ctccgggagg	gactgaaaaa	ccagagtcca	19620
accgaagctg	agaaaccagc	ttcttctcgc	ttgccttctg	cgccgcgcgc	gcagttgctg	19680
acgagaaacg	tggtcttttg	cctcggcgga	gagcttttcc	tgtgggacgg	agaagacagc	19740
tccttcttag	tcgttcgcct	tcggggcccc	agcggcggtg	gcgaagagcc	cgccctgtcc	19800
cagtaccagg	taatgccagg	ccgatcttgg	aagtgacctt	caccgggatc	ggaaccagtc	19860
ttttttgttc	cttgctcctc	ttggctgttt	ttcatcttgt	ggcaggcggt	ccagcggtat	19920
gactccgacg	ctgccatacg	cggtcgcggg	gactcaggct	ctctcgatgc	ttacggcctg	19980
gaggcctggg	aggaaggaaa	gggtcattga	atatttcaata	aaaatactag	tgacggatga	20040
gtgctctgga	gaaaaacaaa	gcgggctaaa	gggggttgaga	acgagtgggc	ggagttgcta	20100
tttttagttt	cgctcgagaga	aacctgtttc	ctgatgtgac	gcttataata	ggttagatcg	20160
taactttctc	ttgcgttgtg	cacagcaagt	cagggttgacg	gtttcaaagc	accacgcttc	20220
atgcttgaca	tggaggagga	agtctctgtt	aattcttacc	cccgtaacgc	ccgctttaga	20280
aaataaagcc	atacccaaaa	tggggatttt	tgtttttgat	tagccgacag	catgtgaaaa	20340
tgggtgtgat	ccagaaagta	ttacacactt	gccgtgggtc	aatattgggt	tatggaaatg	20400
tttatttgta	atacacagat	tctcttaaag	atgaaaaaga	gcttgggtact	cattctaagg	20460
tatgacatct	gttgtgtgcc	cgggtccaatt	cttgttaccg	agaagtgatt	taattttaat	20520
aagacgctag	caatgcttct	gcagttttga	aaataggggc	ggagtctaca	gtctacttat	20580
ttaccaattt	tcagttaaaa	agaattatga	agccggggcg	cgggtgggtc	cgcttgacgt	20640
cccaacactg	ggaggcagag	gcaggtggat	ccactgaagt	caggaattcg	agaccagcct	20700
ggccaacatg	gtgaaacccc	gtctctacta	aaaatacaaa	aattagccag	gtgtagtggc	20760
gcgcccttgt	aatcccagct	actcaggtgc	ctgaggcagg	agaatcgctt	gaacctggga	20820
ggaggagggt	gcagtgaagt	gagatcacgc	ccctgcacta	cagcctgggc	aacagagcaa	20880
gactgtgtct	caaaaaataa	taataattac	caaatgtgca	gcacgcagta	ttctaataac	20940
attctatact	gctgtgtgac	atttgacata	atcataactt	aattatttat	aattattttg	21000
tgtctttttt	ttttttttga	gatggagttt	cgctcttggt	gccagggtg	gagtgcattg	21060
gcgccatctc	ggctcaccgc	aacctccacc	ttccagtttc	aagcgattct	tctgcctcag	21120
ccccccccgc	gagtagctgg	gattacaggt	atctgccacc	acgcccgcct	aattttttgtg	21180

tttttagtag	agacgggggt	tcgccatggt	ggccaggctg	gtcttgaact	cctgacctcg	21240
tgatctgctg	gctttggcct	cccaaagtgt	tgggattaca	ggcgtgagcc	actgcgcccg	21300
gctgtttttg	ttttgttttg	ttttgaggca	ggatctcgct	ctgttgccca	ggctggagtg	21360
cagtgggtgca	atctcagcta	actgcaacct	ccacctcatg	gattcaagcg	attctcctgc	21420
ctcagcctct	tgagtagttg	ggattacagg	cccactccac	cgtaccgggc	tactttttgt	21480
attttttagtg	gagacggggg	ttcaccatgt	taaccaggct	gatctggaac	tcctggcctc	21540
aggtgatcca	cccgctcttg	cctcccaaag	tgctggcatt	tcagccgtga	gccatggcac	21600
tctgcctctg	tcttcttttc	tagactgtaa	gctccaaggc	aggggctggg	tctgcccttg	21660
tcatttttta	aaaacgtatt	ttatttttta	tttttgaaat	ggggtctttc	tctgttgccc	21720
aggctggagt	gcagtgggtg	gatcacggct	cattggagcc	tctactgtca	ggggctcgagt	21780
gatcctccca	cctcagcgcc	tgggaagtag	tgggactaca	ggcatgtgcc	accacgcctg	21840
gctatttact	tattttttgta	tgtccagcat	acagaaatgc	tggagtgtcc	agaattttata	21900
agctttcagt	aaatattggg	gactatctca	ataaccttca	ctcctccaaa	atctcaaaac	21960
cttagagatg	gggaagaaag	cagcttatca	tgagtgttaa	ctttggatgt	taaaagcaag	22020
catgagtaag	ctgggtgtgg	tagctgtagc	ctataatcag	cacttttagga	ggccaagggtg	22080
gaggcagggtg	gatctttgtga	gcacgggaac	aggtgttcag	accagcctgg	gcaacatgac	22140
gaaaccccca	tctctacaaa	aaaaaccttt	ttaattagct	gggagtgtatg	gtgcacacct	22200
gtagtcccg	ctcctctgga	agctgagggtg	gggaggacac	ttgaaccccc	atagtaaagt	22260
ctgcagtggg	ctgccactgc	actccagcct	gggtgacagc	aagactctgt	ctcaaaaaaa	22320
aaaaaaaaaa	tttgtgagtt	aatggtacaa	gtgtgagtac	ttatccagag	ttttattatc	22380
ctataattgt	agtaaaactaa	gtattactgt	gatttcaagt	aactgccacc	tatatattaaa	22440
ttaaaatttaa	ctatgttgac	tgggttgctc	taattttcag	agattgcttt	gcataaatcc	22500
acccctgttt	gaaatctatc	aagtcttggt	aagcccaaca	caacatcatg	tagcacttat	22560
aggaataaaa	ggacttatgg	tattagaatt	acctaaaaga	tgggggaaga	attctgaatt	22620
tgaagggtga	aaatcaacag	tgaattgtag	gtaagttgta	tactatttat	ctgtataatt	22680
tattatatat	acagaaaaat	gttcaagact	agtgtttctt	aagcatgttt	agtatactac	22740
tcttaaaaca	ttaaaacact	cctcgtgtgc	tgcagactgg	cttctgtgtt	atcaatgttc	22800
atagtatatg	tgtaattgat	tgtactttat	tctgcctgaa	gtaccacgtt	gctgtctcat	22860
ttgaggctag	gccattcttt	cgattaggta	gaagtaagat	tttgtaaaac	cagttatctg	22920
tcagccagaa	gtttgccaga	agtgtaaagta	ttttatgtgt	gtgtgtgtgt	gtgtatgtgt	22980
gtatatatat	atatactttt	tttttttttt	ttttttttga	gatggagtct	tgctctgtca	23040
cccaggctgg	agtgcagtgg	cacaatctcg	gctcactgca	agctccgcct	cctggattca	23100
agcgattctt	ctgcctcagc	ctcccagagta	actgggatta	caggcaagcg	ctaccatgcc	23160
cagctaattt	ttgtattttt	agtagagacg	gggtttcacc	atgttgacca	agctggctct	23220
gaactctga	cctcaagtga	tccaccacc	ttagctctcc	aaagtgccgg	ggttatagg	23280
gtgagccacc	gcacctggcc	tatttttata	taatttcttt	ttcaacaaat	ccagaaaagt	23340
gaatctgaaa	gatctactga	aaagagtaca	gatgcttttc	aacttacgat	tgggttatgt	23400
cccgataaac	ccagtgtaa	ttgaaaatgg	atttattgct	gacaacacag	cagaggatcc	23460
ccgatttagg	atggttcaac	gtaggatttt	tcaacattat	gatgggtaac	cccatcataa	23520
gtcgtaaagga	gtcctcagc	ttatgttggc	ttatgtactg	gtaaacccat	tgtaaagttg	23580
gggatcatct	gtataaggta	gaaactgctt	ttagctccgc	aacttataag	ttgagtcccc	23640
ttaaactggt	taccttctaa	atctgtttcc	tcatttttaa	aataggattg	ataatatctg	23700
cccttgtaat	ttccttacag	ggtagtaaa	aagatacaat	gagatactat	atctgaaaac	23760
acttgactag	tatcaaatcct	tatcaaatcct	aagtcaaaac	atcctaaaat	gtatatatac	23820
gtatgaaata	tgctataatt	tggagccagg	cacgatggct	cacacctgta	atcccagcac	23880
tttgggaggc	cgaggcagg	ggatcacctg	agctcaggag	cttgagacca	ccctgggcaa	23940
catggtgaaa	cctcatttct	actaaaatac	aaaaaataag	tggggtgtgg	tggcacacgc	24000
ctgtagtccc	agctactcag	gaggttaagg	cacaagtatt	gattaaatcc	aggaggcgga	24060
ggttgcagt	agcaaagatc	acgccactgc	actccagctt	gggccacaga	gtgagacttc	24120
atctcaaaata	aataaaca	taaaatttaa	ataaataatt	taaattatta	aaataaataa	24180
attattttatt	tattttgaga	cagagtctgg	ctctgtagcc	caagctggag	tgcagtggcg	24240
tgatctcagc	tcactgcaac	ctcctcagcc	cgggctggag	tgcagtggca	caagctcagc	24300
tcactgcagc	ctccacctcc	tgggttccag	cgattcttct	gcctcagcct	cacgggtaac	24360
gggttacagg	catgtgccac	cacacttgcc	taattcttgt	attttttagtg	gagacggggg	24420
tttaccatgt	tggccaggct	ggtctcaaac	tcctgacctc	aggtgatcca	cctgccttgg	24480
cctcccaaag	tgctaagata	ggcgtgagcc	attgcgcca	gccagtgtgc	tataatttag	24540
aagatatttt	tatttcaatt	ctttgatatt	gattgaatag	atgccttgaa	tgctctctca	24600
gcatgatttc	agggaaataa	atctgaagga	aagagaatca	aagagtgtta	aaatagaaat	24660
ttcttcaggg	cctggcgtgg	tggctcatgc	ctgtaatccc	agcactttgc	gaggccgagg	24720
tgggcagatc	acctgagggtc	gggagtttga	gaccagcctg	accaacatgg	agaaaccccc	24780
tctctactga	aaatacaaa	ttcgctgggc	gaggtggcag	gtgcctgtaa	tcccagctac	24840

ttgaaagact	gaggcaggag	aatcacttga	acctgggagg	cggaggttgc	agtgaagccga	24900
gattgtgccg	ttacactcca	gcctgggcaa	caagagagaa	actccatctg	caaaaaaaag	24960
aagttccctt	agaagatttt	catccaagtt	gtacaaaatg	ttttggaaaa	ttattatctt	25020
tatttttagta	ccactccagt	tgcggagaga	tttttcacca	gttccacctc	tctgactcta	25080
aagcatgctg	catggtatcc	aagtgaatc	ctggatcccc	acgtagtgtc	gttaacatca	25140
gacaacgtaa	tcaggtaaat	tttattttct	tctcttgaag	ccttgcgagt	gggaaagctc	25200
tgcttttatt	ggatggctgt	tgtaacccat	tctcaatcat	agaattgcc	taactgctct	25320
aacttaccac	tattccttct	caactagtct	tctgcctcc	aggtatctcc	tctcctaata	25380
tgacacctta	gaataatctt	tccaaaactc	tttcatcatt	gtcacccttt	tggtataaat	25440
gtagcataaa	ggaaagagaa	tgtaagtgtg	aatttagaga	tttgaattat	tgtcccacct	25500
ccttttctgt	tatctttgag	atcttgagct	ttttaggggt	tggtggggtc	agttttccaat	25560
cttttaaatt	gagcaggttt	gattcaatag	tttctaacgc	cccttccaag	ctttgcactc	25620
tatgattaaa	tgccctaata	ctacgtagat	ttctactcta	ttatcagcta	actttctgga	25680
tcggccttat	gtaaaaagtt	attgggggga	ctcagcagag	gtacagatac	cttcagtttt	25740
atttttcgta	atcactgctt	ttaactgtgc	tctactaaat	cttccctcac	tgctgaatga	25800
ctcacccttt	aatgatgtct	tatacagatc	cccatagctt	tctcgttact	tctagttaat	25860
aaaacagtgt	gtccagttta	aaactcatct	tggtgggttg	cagtggctca	cacctgtaat	25920
cccagcactt	tggtgggccc	aggtgggagg	atcattttgag	cccctgagtt	cgagaccaat	25980
gtgggcaata	cagtgaatc	ctgtctctgc	aaaaaaaatt	agctgggcat	aatggcatgt	26040
gccggtagtc	ccagctactc	aggagactga	ggttaggaaga	ttgcagcctg	ggtgacagag	26100
taaaaccctg	tctaaagaaa	ataagaatgt	cgaaagctat	ttgatctcaa	atctttcaca	26160
actatgtcct	ggcccttttg	taggtcagac	ctgtgttttg	tggtatcaga	agtgattgga	26220
gagtgtgcgg	tctgctcttt	cactcttctc	gttatcccag	cactttggaa	cataggggtga	26280
agtgtaaagg	atgggctgcc	ccctccttcc	tccaaatcta	actccttcag	tgtggggtag	26340
gggagtggga	cagggtgagg	agagatctta	ccgaactggg	agcctgtgag	tgatggggaa	26400
gtatgcctga	tcttgtttga	atctcgttcc	atctgtcact	agtgaactct	gttgatgtgg	26460
tagtctctgc	atagatgggt	tgtttgtgtg	tgtgtatgtg	gggggggtgg	gtggtgttgg	26520
agggcagtg	tgaacttcca	gctcccccca	tactgagga	gctctggctc	ccattggctc	26580
ctgtcagttc	tctatgccct	gaatcttctc	tcaagatggg	gtacagtata	ctttatctgc	26640
aggggtgtgt	ttccaagacc	ccccagtgaa	tgccgtgaaac	tgtagatagt	actgaacgtg	26700
atacgtgtgt	attgctatgt	tttttcgact	ttataactga	gacagctact	aagtgaactaa	26760
ggggcattca	gctaggaaat	gcaccagtct	cccttattac	aggtacctcc	acatctggct	26820
gtttcctaga	gccttccctg	cccacccatt	tggctttaga	gttcagggca	gagaaagagg	26880
agagggaaaa	tcttcccatt	acaaacatta	tactgtactc	ctaagggaatc	tttgacatcc	26940
tctcttctta	gtcttctctt	tatatgctat	gatggaaaag	gagatgggtg	gaagatagca	27000
taggtacagt	tcttaagccc	caaagggaag	atctggcccc	aaatattgaa	ggttcttttt	27060
taaaatatgt	ggtattttaac	acttctgttt	tcttaagctt	tggtgatttt	gggcagtttc	27120
agagcaaaa	gaaattttca	ccgaatgccc	tggtgcacct	tctttttctt	tactgttcc	27180
ccagtacaac	attattgcct	agtatattat	tgtattttga	agtttagtaac	gcttgttagga	27240
acagggtgtg	actgtaataa	atgtgtattc	aaatggatca	agttatcatt	aaaaatttat	27300
taaatactta	atgtggcatt	ttattgatat	tggaagaaac	caagttaaaa	aattcttagt	27360
ggcgtcagac	aaaataagtg	attataaggg	acactggatt	tctaaaatga	cattactggc	27420
cttttgaaaa	ttcccttttt	cacaatagcc	ttatatgctg	tgaaatgtag	gttactttaa	27480
attaaaataa	ttttgggttaa	aaaaattcag	tattatactt	tcccttgaaa	atagagatga	27540
tacgatactg	ggtttgtttg	tttgggtttt	tttttttttt	ttgaaatgga	gtctcgctct	27600
gtcgcccagg	ctggagtga	gtggcgat	cttggctcac	tccagcctcc	agctcaccgc	27660
aacctccacc	tcccagggtc	aagtgattct	cctgcctcag	cctcccaggt	agctgggatt	27720
acagggtgtg	gccaccacac	ccaaataatt	tttgtatttt	tagtagagac	gggggtttcat	27780
catgttgccc	aggctgggtc	cgaactcctg	acctcaagtg	atctgctcac	ctcggcctcc	27840
caaagtgtca	ggattacagg	tgtgagccac	cgtgcttggc	caatattggg	tttttatata	27900
acaaacacat	aagtagattt	gcaggctaaa	tactactcac	tctgtcagcc	agttggcata	27960
taaagaataa	gatacagttc	tttctctggg	gggatttggg	gtccaatagg	cagagataga	28020
tgtgtgtagt	tgaaggaaaa	ctggcaagct	taggggcaat	agtgaatga	ctggacaagg	28080
cgagtatagc	taagggtcca	ggacggaagt	gacagaggtg	cgatgttatg	gaataggctg	28140
ttaaagggtg	ttggtaagga	tagagaacat	ttcttcaggc	cccaatgaaa	ctcccttatg	28200
tagttaaaga	ataaatgaac	tagactactt	tgcaacagca	agatttttgc	aaagaaatat	28260
ttgtgataag	tgttagaaaa	ttctcaagaa	ctgactagat	ggagaggaaa	gtgcagtttt	28320
gggaaatgaa	aacagaatth	taagtgtctg	ttttcttctc	ttttgggttc	tagaattttac	28380
tcactacgtg	agccgcagac	accactaac	gtgataatac	tttcagaagc	cgaagaggaa	28440
agtctagtac	tcaataaagg	gtaagttttt	atcttgagtct	tgaaatgggt	ttttaattag	28500

cttattggga	ttataaatgc	aattttaaca	ggttgcaagg	tttttcagag	gtgactagca	28560
tgcttttggt	aatgtgagaa	gtaagtgtat	tttttagtaga	acagggattc	gtcgtgttgg	28620
ccaggctggg	ctggaactcc	taggctcaag	tgatcctgct	cgtctcagcc	tcccaaagt	28680
gctggaatta	caggcctgag	ccaccattca	tttctttatc	acctttctat	gtgataaaga	28740
aactaagata	atatcttgca	ttgatgtttg	ctctctcaac	tatatgaaat	tgtgatttca	28800
ttttaaccat	atttggttaac	tttgatttga	actagaatct	tcctgaataa	ctacagtaaa	28860
ttttaaatat	aaaaacagca	tggttttatg	atttgccttc	ttgatataca	tgtaatgtat	28920
atttgctgta	gaaaattgag	aaaaatagat	caaagtatta	ggaagaaaat	gaaaatcttt	28980
gtaatctcct	atagctatag	cctgtttcaa	tacagcacc	aaagtttaat	cacatcattc	29040
tactttaatc	taagtttaat	cagatcagtt	taatcagatc	attctacttc	cctgctctcc	29100
atacccatt	gatttccag	agtctttacc	tataaagggt	ccacagggtat	gccacctgat	29160
tgcctttcca	gcttcattcc	tccctctgtg	ccctggctct	ctgggctcca	ggcaccttgg	29220
cctccttgcc	attccacaga	cattaagcac	ttctacctta	gagcatttgc	tctccacctc	29280
aactgctcct	tccctagtta	accacagact	tgctctctta	cttccttcag	atctttgctc	29340
aaatatctta	tcagagtctt	tcctatacca	agtagtctaa	agtagcacct	ccatcaatac	29400
cctcttacc	tactttattt	ttcatgatat	tttctgagtt	tatgttccat	ctttatttct	29460
tctctttttg	tggattttct	ctctcttagag	ggcaggacat	ttgtttaatt	actgacata	29520
ttcccagacc	ctagaaaagt	acctggcaca	gagtaggtgc	tttgcgagta	tttgtagaac	29580
ttacggatcc	tgctgctcag	agacaactgt	tgatgttttc	atgtgttttc	ctgtttcctt	29640
tttgcattha	tgtgtgtgta	tataataaat	ttttgctatt	tgtatatctg	tgtatttaaa	29700
ctattttaaga	tgagagtaga	accaaataat	tttatggcca	gcttttttca	cttaatttca	29760
tgagaattht	tttttttttt	ttttttttga	gacggagttt	cgtcttctgc	gccaggtctg	29820
gagtgcattg	gcacaatctc	ggctcactgc	aacctccgcc	tcccagggtc	aagcaattct	29880
cctgccttag	cctcccaagt	agctgggact	acaggcacct	gccaccacgc	ccaactaatt	29940
tttgattttt	tagtagaaac	ggggtttcac	catgttgccc	aggctggtct	cgaactcctg	30000
acctcagggtg	atccacccac	ctcggcctcc	caaattgctg	ggattacagg	catgagccac	30060
tgcaccacgc	tgagaattht	taaatgttaa	cattcttcat	aatcattttt	tgtcttttca	30120
gtccattgcc	tacaaattcc	atacataccc	acctcctgtt	attagacatt	ttgtgttttt	30180
gttttgtht	gtttttcttt	ttactttttg	ttgtttttgt	ttttaacaag	ttggttttta	30240
catctctttc	cagaagggcg	tataccgcat	ctctaggaga	gacagcagtt	gcatttgact	30300
ttgggccatt	ggcagcagtc	ccaaagactc	tatttgagca	aaacggcaaa	gatgaagtag	30360
tggcataccc	actgtacatc	ttatatgaaa	atggagagac	tttcttgaca	tacatcagtc	30420
tgttacacag	gtaagttgag	gtggtcaccc	acctgaaatg	aaaactcagt	ttgggctcca	30480
gtagatatca	ttgaggtctg	acttgggagc	catgtttttg	agtctgtgga	aatgtttgcag	30540
ccttcacatg	cttggcttgc	atatttttga	gaaagagtta	gtacagggtca	tttggccttt	30600
catttcttca	tattattttg	gtaagttcta	tagaattctt	ggataatcac	ttatgatagg	30660
cctggatttg	tgttcacaaa	ttctagtatt	ccgaacaagt	gcttattgtt	tatcttatat	30720
gaacaagaca	ccacgtaggc	gtggtaattc	ggtatcttat	gtcccagttg	tggggagaaa	30780
gatacataca	catgaaaaaa	tactatccat	accacagtat	tggtacacag	acagtaagaa	30840
ccccgaggaa	ggagagatca	ttctgactgg	gagggttaagg	aaattttcgt	agagaaggag	30900
tgggtgcatg	tgtgacttaa	aggtctcatt	caggattaaa	tgaagtatca	aggaagagtg	30960
agaccatttc	tgtcaagggc	agcataaagt	agcgtctgaa	aataagcaag	tgcaagtgtc	31020
attcaagctt	aatttattag	acattctggg	ctagagctga	ggattcatgt	agggagcatt	31080
aagtataaaa	gctggagtat	ctgtcccag	aaaatttgc	ggaattaaaa	atacctcgtt	31140
aaaagagtga	gtgtgggttt	tttttctgta	ggaatagggg	agtaggaagc	cagtgtgtgt	31200
ttctgaacag	aaggacaaaa	caattgggta	gggaggggac	tgggacagag	acttttaaa	31260
aagcttttgc	aaaattgagc	ttgtcattta	tgagagtttg	aacttgggtg	gtaatagaac	31320
agagggaaaa	atgaaacaca	gtagataaca	acaaagggaag	gataaataag	acttagttac	31380
tgtttgata	agggagtatg	ccatgaacag	aaacagggtca	gtaaaggctg	ctaattgggg	31440
gagaagattt	atttctaagt	aatcagtggt	aagatagtat	tggaccaata	aatggaaat	31500
attccatgga	cagttggaaa	tacaggatga	tgacagacaa	gaagaattaa	aatagaggta	31560
tgagaatcat	ctttcatggg	gagagagctg	atacaggata	agaatttgag	ggaaaactgc	31620
agaggcataa	ggctaagggc	tgagcattag	agtttattctg	cttgtaaatac	gacttaacag	31680
atacttatct	aggaccact	ctggcagaag	atggaaatac	aagattgaag	gcaaggttcc	31740
tgccatgtgg	ttccttaact	accagaaggg	catacaacta	aaccagtaac	tatagtacag	31800
tgtcatgtgc	tcagggcatc	accgggttct	tcaggagtgt	gatggagtaa	atgagttagc	31860
ctgctcatct	tggaagactt	taaggaaatg	ctattacaaa	agcttgaact	tgaaggattc	31920
actagacaga	atcagaagtg	ggtacaggag	agagaagaga	gtacgcaaaa	ccataaagat	31980
tagaaagatg	aaagagctcg	gtagggttaca	gaatgggtgag	gattcactgt	tgagtgcatt	32040
ctccttgcca	gaaatgttct	ctgcctttca	cacatgatct	caggaggatt	ttgtggtaac	32100
tttagtacct	tcccttacc	tttctcctct	tgctgctgag	ccctcatttg	tccaaacct	32160

gatctgccta	gtaacggttag	cccaaaaccc	aaaagttttc	ttcatcctta	catttcatca	32220
gtcccaaatt	tctattgatt	ttgtgattta	aattttttcga	aagtatacac	caagcttggtc	32280
caaccacagg	gctgcgcgca	gcccaggaca	gccttgaatg	cagcccaacg	caaatttgta	32340
aactttctta	gaacattatg	atatttgttt	gcgattttct	tttcttttct	ttttttttta	32400
aagctcatca	cgtattgtta	gtgtattttc	tgtgtggccc	aaaacaattg	ttccagtggtg	32460
gcccagggaa	gccaaaagat	tggacacccc	tgattataca	cccttctctg	cattcctctg	32520
tccctgcttc	agaactgcac	catctgccta	cttcaccatc	tgcctggcct	attttcttaa	32580
atagtttccc	caaateccat	tttggacct	tccatgtctt	cctccctaata	accagactga	32640
tttgtaaagt	gaggetccat	cgcttgattt	aaacctctag	tgatatactg	ttaccgggca	32700
gatagatttc	aaatagttta	acatagcaca	caagactgtg	tacttcataa	gccagtcctg	32760
gatgtctgtc	tagctatttt	gccgttgcc	tccacctgt	actttgcctc	ccatcatact	32820
aaataagttt	tcttggttct	agttctttgt	ctttcatgtt	tccaggactt	tgcataaact	32880
gatctctagc	ttggaatgct	caacaatccc	cttcccagaa	atcattcttt	ctcatttttc	32940
tcatttattt	tttatagctt	tcttcattat	ctttgtatct	ttttgtcatt	cctttgtaca	33000
ccataaatcc	ttctgttggt	gcacttatca	catggtatag	taattctggt	taaatgtctg	33060
cctcatcaac	taaaccatca	ttcactggga	gtatcatcta	gcactcaata	ataagtattt	33120
gtcaaatcaa	atttaatatg	gggatccaaa	gccttgaaga	gaagctacat	tttagaagaa	33180
aggatttggt	agtctttgaa	tatagatggt	agttaaaacg	aggcatagtt	taacaggctc	33240
tcatttaagt	gtgtattttg	aaaaaagtca	aagcatacaa	cagaatcctg	gagaacacca	33300
atatttaaga	gacagaaatt	agaaaaggac	gttagaaaat	tgtgttttaa	gaggtaggaa	33360
gagagaacta	caagaaagaa	ttgttacagc	tggtgagtag	cagtagtcgt	taaccagtga	33420
taaatgcagc	agaaggttaa	gtgcattttg	gatttagcaa	atctcacagg	tgacctttgc	33480
cacagtagct	tcagtggagt	ggtgaaagca	taaaccatag	taaatttagg	gcaagggttt	33540
tcaacctttg	tactattgac	attttggtct	gaattattgt	ttgttttaga	ggtgctgtgc	33600
tgtgcgggaa	tgtttagcgg	cttctgtcta	gcctctaacc	actagatgct	aataacctcc	33660
cgcacattgt	gacaaccagt	tgtgacaagc	caaaatgtct	tcagacattg	ccactgtccg	33720
ctagggcaaa	attatctctg	gttgagaaac	acagagtggg	gggatctgag	tgggaaagcg	33780
agaagatgga	gtattgggaa	tacactacat	ttataatgaa	ggtatgatag	ctggaggaaa	33840
acaaagtcaa	agaatgggtt	tatgggatga	gcatgcatac	tgtcaacatt	tcccaaatat	33900
gtttttactc	cttcttttagc	cctggaaata	ttggaaagct	gttgggtcca	ttgcccatgc	33960
atcctgcggc	tgaagataac	tatggttatg	atgcgtgtgc	tgtactctgc	ttaccctgtg	34020
tccccaatat	cttagtgatc	gctactgaat	caggaatgct	gtatcactgt	gtcgtgctag	34080
aaggggaaga	agaagatgac	cacacggtaa	gtgcaggctg	ctgtggttgt	ttgtatcttc	34140
aacacctggc	atagttctctg	acccaatatg	aatgcttaat	atatgagaag	gaattttaac	34200
ttactttatg	aacttctgat	attttggaag	ttaaacagtt	aaaaaagtag	ctgaagcaca	34260
cttagcagtc	taagtggaaa	gaagttagaa	ggttgcccaa	cttacttggt	ccaccagtct	34320
gcatgttact	ttctgggtctc	tatattgcaa	tcttcaggga	cagatacaaa	gagccttgga	34380
atcactgaat	tggctttttt	cacaaacatc	ttcctaaagg	aagagagacg	ttttgtcttc	34440
agaataacag	tgcactgtta	ggatagaggt	ggaattaaga	atttgaaagt	actgtttgac	34500
ccagcttttt	tttcaatttt	tttattttatt	ttttattatt	attttttgga	gacagagttt	34560
cgctcttggt	gcccaggctg	gagtgcaatg	gtgtgatctc	ggctcactgc	aacctctgcc	34620
tcttgagttc	aagcgattct	cttgcgctcag	cctccccagt	agctgggatt	acaggcaccc	34680
accaccagc	ccggctgatt	tcttgctactt	ttagttaga	cagggtttca	gtatgttggc	34740
caggctggtc	tcgaactcct	gacctcagat	gatccacctg	cctcggcctc	ccaaagtgct	34800
gggattacag	gcaagaacag	ccgcaccccg	ccctgaccca	gctttttgcc	tgtttttaat	34860
tgtgtacatt	ttcaaattaa	catgcaagat	caaaattaca	acactttttt	ttacagtcag	34920
aaaagtcctg	ggattccagg	attgacctca	ttccttctct	gtatgtgttt	gaatgtgttg	34980
agttggagct	tgctttgaaa	ctggcatctg	gagaggatga	cccttttgat	tctgactttt	35040
cttgctccagt	caaacttcat	agaggtaagc	tcttcaataa	atgtagtgct	tttttcccat	35100
gattttttata	ctaagactat	catagactgt	tcctatgtaa	tgtatttggt	ctgtgggttc	35160
agccttttaa	aagttgactg	ggtttttttt	agcttttttag	tcactatagt	acactttttg	35220
tctaaggcag	actgagcaaa	tttcccaagt	tttaaaatag	tggcttttg	tccagatcac	35280
cagatttcta	atagtgaatt	tttctgggtc	ctttcaaaag	tagaactacc	atgttattca	35340
gtagttccac	tactgggtat	gtcaaaaagga	aaggaaataa	taggttgaag	ggatacctac	35400
actcccagtc	ccattgcagt	gttattcaca	acagctaaga	tgctgaatca	acctgtgtcc	35460
atcgacagac	caaattggatt	ttgttggtgt	tggttggtgt	gttgagatgg	tgtctggctc	35520
tgtcaccag	gctggagct	aatggcgcaa	tctcgactca	ctgcaacctc	catctcccag	35580
gttcaagcga	ttattttgcc	tcagcctccc	aagtagctgg	attgcaggta	cccaccacca	35640
tgccctggcta	atttttatat	ttttatttca	tttattcatt	tattttgaga	tggagtctcg	35700
ctctgttgcc	caggctgaag	tgcagtggca	ccatctcagc	tcactgcaac	ctccgcctcc	35760
tgggttcaag	caattcttct	gcctcagcct	ccctagtagc	tgggactaca	ggcatgtgcc	35820

accacgcctt	gctaattttt	gtattttttag	tagagacggg	ggctctacca	tattggccag	35880
gctggatcgc	aactcctgac	cttgtgatcc	gccacctcgc	acctcacaaa	gtgctgggat	35940
tccaggcgtg	agccactacg	cctggcaatt	tttgtatttt	tagtagaggt	gggatttcac	36000
catgttggcc	aggctggctc	caaactcctg	gcctcaagca	gtccacctgc	ctcggccttc	36060
cagaagtact	gggataacag	atgtgagcca	ccgcgcacct	ggccccaat	ggatttttaa	36120
aatgtggcat	tgtatacaca	gtggaatacc	atttggcttt	tgtgtgtgtg	tgtgtgatat	36180
gatctcactg	tgtcatctag	gctggagtag	agtggcgtga	tcttggctca	ctgctttgcc	36240
tcccaggctc	aagcaatcct	ctcacctcag	cctctggagt	agctgggact	acaggtgtgc	36300
accaccacgc	ctaatttttg	tattttttggt	agatacggga	ttttgccatg	tcgtccaagc	36360
tgaagtccct	gagctccagt	gatccttctg	cctcagcctc	tcaaagtgtc	gggtccacagg	36420
tgtgaaccac	catgccccagc	cctattttggc	tttaaaaaag	aatgaaatcg	tgtcattcac	36480
tgcaacatag	gaggattttca	atcttgtagc	agtttgacct	actctcctta	cagttcttgt	36540
tagccagttt	gcctagtctc	ggtaataacg	gcctcaactc	tgtactaaag	tataggcaaa	36600
acattttaagg	gggcagaatt	ccttacataa	caaaccagca	aagagtgtac	attgggtttg	36660
tctaattaag	gtatttttgag	atttatattg	tctaagaatt	ttatagatga	ggaaacagac	36720
caaatagaag	aaagtgcact	aaactaattg	gtttcctcat	atagatacgt	atatctttgg	36780
gaaatcttaa	gtgtagacgt	ggacgttttg	ttcttgggtt	ttgttttttg	tatttttgtt	36840
tttgtttttt	tttttgagat	ggagttttgc	tcctgttgcc	caagctggag	tgcaatggca	36900
cgatcttggc	tcacttcaac	ctccgcccc	tgggttcaag	cgattctcct	gcctcagcct	36960
cccaaatagc	tgggattata	gtcatgcgcc	accaggcctg	gctaattttt	gtattttttag	37020
tacagatggg	gtttcaccat	gttggtcagg	ctggctcga	actccttata	tgtccacctt	37080
ggcctcccac	agtgtcggga	tttttaggcat	aaaccacat	gccagcctt	ttcttgggtt	37140
ttctaatagag	agtaacattt	tcatatgtga	aactaagaaa	tttttgactt	gttcctaatt	37200
gtgctgaaca	aggcatatta	taatcactga	ggcacaccag	atttcttagt	gacaaagtga	37260
aatggctaca	gtatgcata	gggtggtatc	taacaaattt	cctgttaagt	aaatggtggc	37320
tcttttttagt	aatcaatttg	ttttacaccc	cagtgttaag	acttttctgt	tgatgttagc	37380
actacagggt	ttgaaaagcc	attttaacaa	tgtagatttt	aatgagatga	tttgagcctt	37440
aagtcttaaa	acatacgcaa	atgaaaagaa	aattttcaat	attttaatta	tgcaaacaga	37500
tgattcccat	agatgagggt	tttttaaact	ttttatagca	gaatgctgtt	ttctaagatg	37560
ttttatggaa	cctcaatata	taagacagaa	aaataatata	tcagcttttag	aatattaatt	37620
tatgataaag	tcactaacca	caaagtgaga	ctgttagatt	aaaggaaaat	ttaatttagg	37680
ggttttatgg	gttattgttg	ccattttatc	agctttaata	tataccttat	ctctgtattt	37740
tgttttagtt	taataacatt	attattttgt	gttttttttt	gagacggagt	ttcgctcttg	37800
ttgcccaggc	tggagtgcag	tggtaacct	cggctcaccg	caacctccac	ctcccagggt	37860
cgagcgattc	ttctgcctca	gcctcccag	tagctgggat	tgcaggcatg	tgccgccacg	37920
cctggctaatt	tttgtatttt	tagtagagac	gggttttctc	catgttgggtc	aggttgggtc	37980
tgaactcctg	gcctgagggt	atccgcccac	cttggcctcc	caaagggctg	ggattacagg	38040
cgtgagccac	cacaccggtc	caataagatt	attattaata	ttaataataa	aaatattgag	38100
ttacagagat	aaatatttat	acataataat	aggatttcag	tagtttatct	tttagtctca	38160
ggattgtctt	actgatactg	gggctcaaag	gaggtacaga	aattttttgtt	tcaaaatcag	38220
ttaattaaaa	ttgtataaca	actactcata	cttcttagtt	ataaatgatt	gtcaaacaaa	38280
aagagcatcc	aaaactgaaa	ataacctttg	aaactatctg	taagtcaaca	ttatgaagac	38340
atacgaaact	tcactttctca	tttcacacct	tactacactg	atagaactgt	tcctgagacc	38400
gttgtgttaa	agtcttttgt	gataactatg	ctgtagaagt	gcattttgctt	caacaatttt	38460
atttaagtcg	atgtatgcaa	gcataagcat	aggttttcta	cagagctgct	attttaacca	38520
ccattttctt	ttgaagaact	aaataaatgc	acagagaaaa	gcataaatga	gttacttgcc	38580
agcaagtatt	tatgtttttg	tgaacctcat	tgtgttcata	tttagaaaat	aacatttgga	38640
ttgagttttt	tttttttttt	tttttttttg	agacggagtt	tcactctcgc	ccacgttgga	38700
ttgcagtggc	gcaatctcgg	ctcactgcaa	cctccacctc	ccgggttcaa	gtgattctcc	38760
tgcctcagcc	tcccagagtag	ctgggatcac	agggtgatgc	caccacggcc	agctaatttt	38820
tgtatttttag	tagagacggg	ttttcaccat	gttgatcagg	ctggctctga	actcctgacc	38880
ttgtgatcct	cccacctcgg	cctcccaag	tgtgggatt	acagacgtga	gccaccacac	38940
ccagccattt	tttatacttt	ttaaaacata	ggcataacct	ctcatttttat	tgtggttcac	39000
agtgtctttt	tttttttttt	ttaacaaatg	aaagatgtgg	caaccttgca	tcaagcaagt	39060
ctatcggcac	cattttttcaa	acagcacgtg	ctgtctctgt	gtcagcattt	tttagcaata	39120
aaaaatgggt	aaggatgtga	catatttttt	gacgtaacac	tattgcgtac	ctactagtat	39180
aaacataact	ttctgcatag	tgtaaacata	acgttcttat	gtactgggag	acaaaaagat	39240
ttgtgtgact	cacttttat	ctgtattcgc	tttattgcaa	tgggtctggaa	ccaaacccac	39300
agtatctctg	aggatatatct	gtacttaaaa	tatatattgaa	atttgaattc	aaatttttaa	39360
atttcaaaa	ccctaacaat	atgaaagtct	tttataaaa	cttccatcaa	caaatgcgtt	39420
tgtaggctaa	tgtggagtag	ccaacaaatt	tgaggtaaat	tttttttagtt	atccactggc	39480

taccttttcta	tcattaatca	ttccatttgc	agatcccaag	tgtccttcaa	gatataactg	39540
tactcatgaa	gctggtgtac	atagtgttgg	gctaacttgg	attcataaac	ttcacaaatt	39600
tcttggatca	ggtgagttta	ctaactctct	gcacttttaa	tagattttcag	aggaaaaata	39660
gattttaatag	atttcagaaa	agtagtttgg	aatagaaaaa	tgatagagaa	aatcagtgaa	39720
accgaaaggt	tctttgaaaa	gatcaaccac	atttcacaag	ccttttagcta	gactaactat	39780
aatcaagaat	aaaagcaggg	atattactat	tgaccttaca	gaaataaaaag	attataaagg	39840
aatattatga	acaaatgtat	gccattttaca	taatctagat	ggaatggaca	aattccaaga	39900
aaaaaaaaaa	ctacccaaaac	tgactcaatc	agggcttggg	ataatttgct	ttaaaaaaa	39960
aaaaaaaaaa	aaggcccggt	gcgggtggctc	acgcctgtag	tcgcagcact	ttggggaggcc	40020
gaggtgggtg	gatacacaata	tcaggagatt	gagaccatcc	tggttaacat	ggtgaaaccc	40080
catctctact	aaaaatacaa	aaataaattc	tccgggcgtg	gtggcgggcg	cctgtagtcc	40140
cagctactcg	ggagactgag	gcaggagaat	ggtgtgaacc	tgaggaggcg	agcttgcagt	40200
gagccaagat	cacgccactg	cactccagcc	tgaggcaacag	agcgagactc	cgtctcaaaa	40260
aaaaaaaaaa	aaggctgggt	gcagtggtct	atgcctttta	tcccagcact	ttggggaggcc	40320
aaggcgggcg	gatcatgagg	tcaagagatt	gagaccatcc	tgccaacca	acatggtgaa	40380
accctgtctc	tacttaaaat	acaaaaatta	gctgggtgtg	gtggcacaca	cctgtagtcc	40440
cagctactcg	gaaggctgag	gtaggagagt	cgcttgaacc	agggatggag	gttgcaatga	40500
gccgaggtca	tgccactgca	ctccagccca	ggcgacagag	cgagactctg	tctcaaaaaa	40560
aaaaaaaaag	taggccaggc	acagtggtct	acgcctgtta	tcccagcact	ttggggaggcc	40620
aaggcttgtg	gatacccccga	ggtcagggga	gtttgcgaac	agtctagtca	acatggcgaa	40680
accccgctct	tactaaaaat	acaaaaatta	gccaggcatg	gtggtgtgct	cctataatcc	40740
ctgctactct	ggaggctgag	gcaggagaat	cgcttgaacc	caggaggcg	agttgcagt	40800
agccgatata	gtgccacagc	actccagcct	gggtgacaga	gcaagactcc	gtctcaaaac	40860
aaacaaacaa	aaactgacac	aaagagattg	attagtaatc	aaaactatcc	aaaaagaaaa	40920
gctgaggacc	acatggattc	acatttaaa	aattaatacc	ggtcaggtgc	agtggcctac	40980
gcctataatc	ccagcacttt	ggaggccgag	gcacttgagg	ttaggacttc	aagaccaacc	41040
tggtcaaaa	ggtgaaaccc	tgtctctact	aaaaaaaaaa	atacaaaaat	tagccaggca	41100
tagtggcgga	tgccctgtaat	cccagctact	cgggaggctg	agacaggaga	atcgcttgaa	41160
cctggggagg	agagactgct	gtatttcgagt	cgagatcaca	ccactgcact	ccagcctggg	41220
tgacagagca	agactccatc	tcaaaaatga	aaataaaaaa	taaattaaaa	aaaagaatta	41280
ataccaatta	ttcacagagt	gagagcagtt	aaaaaaaaat	tagcagcctt	tcatgttaaa	41340
aatactcaac	aaacttaata	gaaaggaact	tccctaaact	agttaggaaa	cttttcatct	41400
acaaaaaact	tggaaccaac	acaatgctta	atggtaaaaa	gactgaatcc	gttattggct	41460
ttctactgct	actggtgtaa	atcatcacag	acttagtggc	ttaaaacatg	acaaatttgt	41520
tatcttatag	ttttgtaggt	tagaagtcct	gcattggtct	cactgggctt	aagttggcac	41580
agcagttttc	ctttctgaaa	gctctagggt	agaatgcatt	tcctaccctt	tttcagctcc	41640
tgccacattc	cttggcttgt	agtctcttcc	tctatcttca	aaggcagcca	gcaacagtgg	41700
gctgggttga	gtcctcatgt	tgtatcactc	tgtttcaact	ttaaagaaac	ttgtggtaac	41760
attaagtctg	cccggataat	ccaaggtaat	gtccctatct	aaaaaaaaaa	aattctttta	41820
agagacagag	ggtctcactc	tgttgtctgg	gtgggagtgc	agtgggtgcag	tcattgggtg	41880
ctgcagctct	gaactcctgg	gctcaagcag	tgctcctgcc	tcagccccc	aagtatctgg	41940
gactacagga	gtgagccacc	atgccagctc	aattttttgt	ttttttgtag	agatgggggt	42000
ttaccgtgtt	gccagggctg	gtctcaaaat	cgtgggctca	aatgatccac	ccacctcagc	42060
ctcccaaagt	gctaggatta	caggtgtgat	ccaccgcacc	tggccatcaa	aattttaaat	42120
ttttttcttc	aagaataacta	ttacaaaagg	gaaaacagcc	cacaaaatga	gagaaaaatat	42180
ttgtgtgata	atggactcgt	atggagaaca	atataaagaa	cccttagcat	ttgatacagt	42240
tgggcaaaata	gcatatata	aaaaagatgt	acaacattat	tagtcattat	ggaaataaga	42300
taccacaaaa	ccacaatgag	gtatcacgtc	atatccacta	gtatagctaa	aatgaaaaag	42360
atggacatta	acaagtgttg	aggatgtggg	aaaaaatggg	gactttttata	cagtgtttat	42420
agaaatgtaa	aatggtacag	tcttttgaaa	acaatctggc	agttcctcaa	atgattattc	42480
atagagttac	catgtacctg	atagtcaggt	cctgagtata	tttccaagag	aaatgaagac	42540
ctgtatccac	acaaatactg	gtacatgagt	gttcacagca	gcattattca	tcatagccca	42600
gaagccacat	acccaagtgt	ccataagctg	atgaatggat	agataaaaat	tggtgtgtct	42660
atacaacaga	gtattattca	acaatgaaaa	ggaatgaagt	actgatacat	gctccaatat	42720
ggatgaactg	tgaacagatg	ctaagtgaat	gaagccagtt	acaaacaact	gtatggctgt	42780
ttatatgaga	tgtccagaat	agacaaatgt	acagagacag	aaagtagatt	agttgcctag	42840
gtctgggaag	tttggtagaa	actgaggagt	gattgctaata	ggttatgtgg	gtttcttttg	42900
gggaaatgaa	aatattccaa	attgttaatg	ataggtatac	aatttttttt	ttagacggag	42960
tttcaactct	gttgcccagg	ctgggggtgca	atggcattgat	cttggctcac	cacaacctcc	43020
acctcctggg	ttcaagcgat	tcacctgcct	cagcctctcg	agtagctggg	attacaggtg	43080
cccaccacca	cgtccagcta	atttttgtgt	tttttagtaga	gacggcgctc	cgctatgttg	43140



gccaggctgg	tcttgaactc	ctgacctcgg	gtgatccacc	caccttggcc	tccgaaagtg	43200
ctgggaatta	caggcatgag	ccaccgcacc	ctgccaggta	tacaattctt	acactaaaaa	43260
cttactgaat	tgtatacttt	aatgggtata	ctttaaatgg	atgacttgta	tggtactgtg	43320
aattacgttt	caaaaagctg	ttacaggcca	ggcgtgggtg	ttcacacctg	taatcccagc	43380
actttgggag	gctgaggcag	gtagatcacc	tgagttcagg	agttcgagac	cagtctggcc	43440
aataccgtga	aaccctgtct	actactaaaa	cctgggcgtg	gtggcgcca	cctgtagtcc	43500
cagctactca	ggaggctgac	gcaggagaat	cacttaaacc	cagaagccgg	aggttgcatt	43560
gagcagagat	tggggccactg	cgctccagcc	tgggcaacag	agggagactc	catccaaaaa	43620
aaaataaagc	tgttataaat	tgagtatccc	tactctgaaa	aatttgaaat	ccaaaacttt	43680
tcttttttcc	atccttgaac	ctgagtgagc	tacaaaagtt	tttgagtgtc	gtcatgacaa	43740
cagaaatgct	cattggagca	tttaggattt	tagattttca	gataagagat	gttcaactac	43800
taagtataat	gcacatatct	caaaatccaa	aaaaaaaatg	tgaaatccaa	aacacttctg	43860
atcccaagca	ttttggataa	aggatactca	acctttatga	aaataaaatc	agtgtgggta	43920
agcagcacc	tagaagagaa	tgatttcact	gttcttagtg	aaacattttt	gcattcagag	43980
acattacgaa	ggaaaatcct	acttcttggg	gcggaaaatc	agacccctcg	ggaaagcgta	44040
tgcctatgtc	agaaaagcat	agtacttgag	aagcaatggt	ttcagacaag	aacctcactg	44100
catttaaccc	aatatcatta	gcattttaat	ttggagactt	gtctaagcat	catttcattt	44160
atgtaatgtc	ttccatggta	gatgaagaag	ataaggatag	tttacaggaa	ctctctacag	44220
aacagaaatg	ctttgttgaa	cacatccttt	gtacgaagcc	attgccctgc	aggtaaggac	44280
tctccctccc	ttgtatatca	gaaaacaatt	gttcatttca	gcagttcaga	tacgtttgta	44340
tccgttacac	tcacatccac	agtattcact	gctgagtcac	ttgaaagtgt	cagacgtgat	44400
acttctcccc	taagagtgtc	ctgctcatca	gaagctttct	cctctccagg	gccactcgac	44460
atactgtttc	ctgactggaa	ggtccttccc	cagccccagc	cccagcccca	gcttgctgtc	44520
ttctcttggc	taactcctac	ccttctttct	gatcttaatg	tcacttcttc	acagagaaca	44580
cccttgactc	cccagtctaa	cttgggggtc	tctattcttc	ttatccattg	tagcacatat	44640
tacactattt	atatttgcac	ttttttaatg	tctgtcgcca	ctaccggaat	gtatatgttt	44700
catgagagca	gagactgtgt	ctgcccttca	ctgcattgct	gtgtttatgt	gatgtgggtg	44760
cccagtgtct	ctctttgaaa	cacattctcc	ttggcatcct	tgacgtctgt	ccctccaggt	44820
tctccttcag	tcccgccagc	agcccttttc	tcaagtttcc	ttcttgggcg	ggttcctctg	44880
cctctactca	ctgcttataa	gtaatgctca	caactcttcc	cttgggtcct	ctctattctt	44940
tctaggtoct	ttcctgagta	acttctgccc	taatcatggc	ttcagtgtct	acagttcccc	45000
catccatata	gccctagccc	agaccactct	gaactccaga	ttcacatacc	cagctgccta	45060
ctgggctcct	ccacttggat	atcctatagg	aacataaaa	ttcagatgtc	cccttaactc	45120
atcttctgtc	tttccaaatc	tgctctctct	cctgtgtccc	atcttcttga	agggtgccat	45180
atcaccccag	ttatccccag	tagaaacctg	gaaggatttc	tagatacctc	cctttattct	45240
gttcatcaat	tactagatat	ctcataagca	ctctgtttaga	catggagtat	acacagacat	45300
gagacaaaata	gcatacacta	agaaatagac	ataatctagg	tttggcaata	cagaggacca	45360
cagggaaaac	gcttgggtggg	gaatgagaag	gatagcaaac	tgtaccagct	tgaaaagtga	45420
acagtgaac	caggcactgt	ggcttacgcc	tataatccca	gcattttggg	agatcgaggt	45480
gggtggatca	cacggtcagg	agtgaagac	cagcctggcc	aagatgggtg	aacccccatc	45540
ctgctaaaaa	ctacaaaaat	tagccaggca	tgggtggcga	cacctgcaat	cccagctact	45600
cgggaggctg	aggcaggaga	attgcttgaa	cccgggcagc	acagggttga	gtgagctgag	45660
atcatgccac	tgactccag	tctgggtgac	agagtgaagc	tccatctcaa	aaaaaaaaaa	45720
aaaaaaagaa	aagtgaacaa	ggaaaaatac	taataaaaatc	ccatgtaggc	tgggcatggt	45780
ggcttacacc	tataatccca	gcactttgtc	aggtgaggca	ggaggatcac	ttgaggccag	45840
gagtttgaga	ccagcctggg	caacatagt	agacccttta	caaaaaaatt	taaaaattag	45900
ctaggtgagg	ccaggcgtgg	tggctcacgc	ctgtaatccc	agcactttgg	gaggctgagg	45960
caggcgaatt	actaggtcag	gagttcgaga	ccagcctggc	caacgtgggtg	aaaccccgtc	46020
tctactaaaa	tacaaaaaaa	aaattagctg	ggtgtagtgg	cgggcacctg	taatcccagc	46080
tactcaggag	gctgaggcag	gagaatcgta	tgacctggg	aggtggaggc	tgcaagtggc	46140
caagatcatg	tcactgcact	ccagcctggg	caacagagt	agactccgtc	tcaaacaaaa	46200
aaaaaaatta	gccactgtgg	tagcatgtac	ctgtgggtccc	agctactcag	gaggctgaga	46260
aggaaggatt	gttttagccc	acgagggtcaa	ggctgcagtg	agtcgtgatc	gcactattgc	46320
actccagcct	cggcaacaga	gtgagaccct	atctcaaaaa	aaccccaaaa	tcccatttat	46380
atcaattttc	gaaacaggta	aaattaaaca	gtcttgccca	ggagtgaata	catagatagg	46440
aaaactataa	agcaaagcaa	agacatgata	ttatgaatgt	cagagtagcg	gctacttctc	46500
tggggagtga	aaggctatga	ccagggaagg	tgcgatggga	accctgaggc	cccctgcagt	46560
gtcctgattc	ttgacctgga	tactgggttac	atagtgata	gcccagtagt	gtgtagattt	46620
cacactgata	ataaaaaagt	aaagtttaca	accttcaga	tatcgtctcc	atgtcttgtc	46680
caaaaaggta	aatgggagct	atggaagggg	aactagtgtt	ttcaactgct	gtttaaagac	46740
tgctgggtct	aaagggatgg	cgagaaagaa	taggttaagg	ggaactggac	attatatattg	46800



aatgagagta	ttttaaatgg	aagagacatg	agtttgcgaag	ctgaggggaa	gtagataata	46860
gggagatttt	gaaacgacac	agttgatggt	acaatttttca	gaagggtgtga	gaggaggcgg	46920
catccacatt	cgggggcaga	tgtgtgttgt	aggcatgcag	gtgggatggg	catgggagcc	46980
gctaggagag	catgttggca	gaatgacagt	tcccattctga	ggcttcagtt	tccagtgctt	47040
tactgaagt	gggaaggaag	actgagagag	atacacgctg	tgcgtgccaa	gtgatttcct	47100
gtgacattga	cattgggcct	cattgagaga	gactcggtag	ttctgttcat	tcaacagttt	47160
ctaagcactt	aatttgtttag	cactgggcta	ggcaaacaaa	gatagctggg	gcttatgtgc	47220
aagtggaga	gatcttcagt	gtaacgtgta	acttttgaga	ttacagtcag	cagcacgcta	47280
cagttaggga	ttctctgagt	acttagtcac	atgggctcta	gactttagtg	tggagctgca	47340
ttaaaggttt	ccaagccacc	acttttgagg	ttatggtagt	gataggatgt	cccaagcaac	47400
ttcagcccag	gcctgagaag	gccggggacc	tgtcatgtct	ttgtctttgg	ttccattgca	47460
tttgctgctt	tgtaatttta	ctatgactgt	gtttttccag	gcagccagct	ccaattcgag	47520
gattttggat	tgtacctgac	attctgggac	ccacgatgat	ctgcatcacc	agtacctatg	47580
aatgcctcat	atggcctgta	ttgtacgtcc	cattttatat	tctccacaca	gctcttgta	47640
attctgcaat	atctaagttg	ggaaaatgca	ctcagtaacc	aacttgaagc	tatacatgtg	47700
tggttttatac	tttggcttct	gacttgaggg	ttggaaggat	ggatatttct	gttctctgcca	47760
tcactctcat	aaggtttcat	tgtaggata	tttcttggca	tcccctgcac	ctagctgaga	47820
gtcaggagct	tttcttcaga	gtgtggagaa	aaaatacata	aattgaaatac	caaatttccat	47880
tatcgatatg	agtaataatt	atcaagctgt	gaccatacgc	caagctcaga	agtaagccac	47940
gtacccgcac	tgcttcttgg	aatcatcagg	gcagccctgt	aaggaaggca	ctgtcatttc	48000
cattttataa	aagtggaaac	ggggatcgag	aggttagtaa	atgctgaagt	cacaggtaac	48060
aaatagagct	gggatacaga	tgcagggtct	attgactcag	aagtccatac	tcatactctt	48120
taatttctcc	atctctgcca	gcctgaggga	cactgtagac	tatgtaaact	ggaataaagc	48180
tgaactcagg	ctgggtgcag	tgggtgttca	tgcttgtaat	cccaatgctt	tgggaggccc	48240
agagtctcag	atcagctctg	gcaaacacagt	gagaccccca	tctctacaaa	aaacaaaaaa	48300
attagccagg	catgttggtg	cacatctgtg	gtcctagctg	ctcaggtgag	aggattgtct	48360
aagcccagga	gttttaggct	gcagtgaacc	atgatcatgc	cactgcacta	cagcctgggt	48420
aacagagcaa	gacctgtgt	cttttaaaaa	aaaaaacaaa	aaagctgaac	tcttagtctt	48480
tgctccttta	aggaactcag	ataattaagc	tgtaatcact	atgttccttt	tccaacagcc	48540
ctggaagatc	attctgagtt	acataaatgt	aggaatatga	gtaccaaaaa	caaaagtcac	48600
tggagcttca	aacactagac	aacaccccca	ccccttgtcc	gttcaaagct	tgcacctctg	48660
gatgtgaca	taaattccta	atactggcag	tagtttactg	tccttagagg	atcttccata	48720
gtctttgaag	cttgattaag	ttgtactatc	tggagttaa	aataaatata	aatttttgtgt	48780
tatttacct	gaaggcacta	aaagctagca	agaccaaaaa	aaaataataa	aatcactgga	48840
gaaaaaatta	cctgtaagtt	acctcagcat	actttttaa	caccacagct	acatttagta	48900
aaataaaaacc	tagtcacact	agcttacttc	agaataaata	tgaatcccaa	aggggaaaaa	48960
taaacattaa	ttgtctggat	attttttttt	tttttttttg	agacggagtt	tgctgtgttg	49020
cccaagctgg	agggcagtg	cacgatctca	gctcactgca	acctctgcct	cccgggttca	49080
agtgattctc	ctgcctcagc	ctccctagta	gctgggatta	caggcgcaca	ccacatgcc	49140
agctaatttt	tatattttta	gtagagatga	ggttttgcca	tgttggccag	gctggctctg	49200
aactcctgac	ctcagggtat	ccaccacct	cggcctccca	aagtgtctgg	attacaggca	49260
tgcgccaccg	tgccaggcca	attactgtga	tactttcaga	tcataattct	gccaactccc	49320
tgaatacaaa	gttgtctata	aagttatgct	atttcatgaa	ctttcacttt	tttttttttt	49380
tttttttgag	acagagtctt	gctctgtcac	ccaggctgga	gtgcagtgg	gtgatctcag	49440
ctcactgcaa	cctccgcctc	ctgggttcag	gcgattctca	tgccctcagc	acccaagtag	49500
ctgggattac	agatgtgtgc	caccacaccc	agctgatttt	tatattttta	gtagagacag	49560
ttttaccacg	ttggccaggc	ttgtcttgaa	cgcctgacct	caagtgatcc	acctgcctcg	49620
gcctcccaaa	gtgctgggat	tacaggcgtg	agccaccacg	cccaaccaaa	cattcacgtt	49680
agaattgttg	ccttcagagt	aagtcacttg	ccatgctgcc	gaagtctgtg	agatctttta	49740
agctcttttt	gaagtttgag	tatttgcact	tgcattgaata	gttttttagaa	atgaaattat	49800
atagaaccaa	tatggtatat	acagcagttt	cttggcttaa	tattggtttt	gatcaactct	49860
aaacctaaca	aataagtaat	ttatgtttgt	ggctccggct	tataaactgg	ctttcaagtc	49920
ctttgccaa	aatccatgct	aggtgtttgt	gctgccttga	tcttttagaa	aagaactgga	49980
aatggcagtc	agaaatgctt	tcacaaatca	ggggcatttg	aataataagg	gtgtagcttc	50040
ccaaagtgc	cttttcaagg	tggaaaacat	gcattcttgc	acttttataa	aagttacact	50100
ttattttata	ttctgaaagt	tctggattaa	tgtggtttct	gctttcctgt	aatacagtaa	50160
atcactccat	ggtagaattc	aatttactta	cttattttgc	agaagtagac	tccatccagc	50220
gtctctctcc						

actgtgataa	atttgggaaga	aactggatat	atttgatcag	ctagtgaatg	gggagcagga	50520
gggaagtggc	acctgagaat	gataaacagg	aagtgtttta	aaagaagtta	ggctaggccg	50580
ggcgtgggtg	ctcacacctg	taatctcagc	actttgggag	accaagacgg	gtgaatcgcg	50640
aggtcaggag	atcgagacca	tcctgggcta	cacagcaaaa	ccccatctct	actaaaaata	50700
caaaaaaaaa	ttagctgggt	gtgggtggcag	atgcctgtaa	tcccagctac	ttgggaggct	50760
gaggcaggag	aaccgcttga	acctgggagg	cagaggttgc	agtgagctga	gatccccacca	50820
ctgcactcca	gcctgggcca	cagtgaagact	cgtctcaagt	taggctgggc	acggtggctt	50880
acagctgtaa	tcccagcact	ttgggaggcc	caggcaggcg	gatcacctaa	ggtcaggagt	50940
tcaaaaccag	cccggccaac	atgggtgaaac	cctgtctcta	ctaaaaatgc	aataattagc	51000
caggcgtggg	ggtgggcacc	tgtaatccca	gctactcgag	aggctgaggc	agaagaattg	51060
ctcgaacctg	ggaggtggag	gttgcagtga	gccgagatag	caccaatgca	ctccagcctg	51120
ggtgacagag	cgagactgca	tctcaataaa	ataaattaaa	aatataaaaa	gtttaaaaag	51180
cacctgtgac	ttgagtctat	ttattttcag	ttgttttact	cagctaagga	aaataaaggt	51240
agaaactttg	tttttaagag	cttctgaaaa	ggacatagcc	cctcctcctg	aagaatgcct	51300
tcagctcttc	agcagagcca	cccaggtggt	cagagagcag	tacatttctca	aacaggactt	51360
ggcaaaggag	gagattcagc	ggaggtatga	tgtcctgtgt	tcacaaacca	tcgatccctg	51420
gctggtagct	gatgctgtat	ggtagcctag	acctggcttc	tgaataaact	ctattttctt	51480
ttgtttttta	agggtcaa	tattatgtga	ccaaaaaaag	aaacaactag	aagatctcag	51540
ttattgtcga	gaagagaggt	aagtgtcaaa	aataagaaga	atacaatagg	tcagtaagac	51600
tggaaaccata	ttctcaccct	aagatgctga	gccacattag	gtggtttcag	catcaagggg	51660
tggacctcaa	gagtcctctg	tgtcttacat	cattaggaaa	agtctgcggg	aaatggctga	51720
gcgttttagct	gacaaatatg	aggaagctaa	agaaaaacaa	gaggatatca	tgaacaggtc	51780
agtgggctgt	ataacattta	gttacctagt	caggactact	caacgatatt	taagaaaatg	51840
ggcattggca	ggtgcttaca	tacctacgga	actgaactga	tccccctgcc	tctcctctga	51900
agtatatggt	ggggaaaaca	tgaggctctc	ccctaaccct	tcctatgggg	cctacttcag	51960
aaacaccaga	ttcatgaatt	atgagcctgt	gattatgttt	ctcctaatta	gtagagacct	52020
taaattgaga	tgtttgcttg	cctttttctaa	aggatgaaaa	aactacttca	cagttttcac	52080
tctgagctcc	cagttctctc	tgatagttag	cgagacatga	agaaagaatt	acagctgata	52140
cctgatcaac	ttcgacattt	gggcaatgcc	atcaaacagg	taggaataga	tccaaactag	52200
ctaaatttgg	taatttttct	taaagcactt	attctacaga	aaattttaca	aaaatgtaaa	52260
aagaacagat	tcaaatagat	actgtgaaaa	tgtgtggcaa	accactgcc	aaatatctat	52320
tatttttaata	cttaagggtta	ctatgaaaaa	ggattatcaa	cagcaaaaaga	tggagaaggt	52380
gttgagtctt	ccaaaaccca	ccattattct	cagtgcctac	cagcgaagt	gcattcagtc	52440
catcctgaaa	gaggagtaag	taaatacttc	caatcagcta	ttatcgtgag	atagtttttc	52500
ctttacagta	tgccagaatc	aacctgtctt	aatagaaacc	tgaatcttgg	tatttgcatg	52560
tcaagtaatt	actgggatga	gagccacatg	atacataggg	acttaagaaa	tgactatggt	52620
gggaggattg	aaagggatga	ccttctagta	acatgatttt	gttgtgtggc	caaagggtatt	52680
ttacagtaat	tatgttcaaa	aatatttcca	gtacttgcac	cgtttgccac	cttaaatgaa	52740
tagtgaacac	tattgctatc	cacctgaaac	cttcagctgt	taatttttagc	aaagcagttc	52800
ttagatgttt	caacattacc	agttttaaatt	cttaagaatc	catataaatg	gtttattata	52860
attccaaaag	tgagtgaact	tacaatttta	caggggtgaa	catataaggg	aaatggtgaa	52920
gcaaatcaat	gatatccgca	atcatgtaaa	cttctgcac	caccaggagc	tgactcacac	52980
ctgaactgaa	caccattgaa	ggcttaaaac	catattgtaa	aacaggtaga	attatcta	53040
ttataaaaag	gtgttttgat	gacctttggt	gtgggttcac	tttttaaaata	tggtgtttta	53100
taataattga	gtaaatgctt	ttattttaaaa	tttggaatgt	gctttataac	tcaagcctac	53160
agttgtgttc	agcaaggact	caggattatt	tcacactgca	cactgccaga	acctccctga	53220
accctattga	gttttctcca	tatttgagca	agttagttat	tcttgtgagc	tgtgttttaa	53280
agtagcagca	ccagaaacat	gactctgaag	agggatagaa	ccctaggatt	caaaggagaa	53340
gaccacacag	tgtacttggc	agcagctttt	ttaaattgaa	cactttcttc	ttgaggacac	53400
accttcagta	cagttaacaa	atgggttacac	ctgaaattctg	ctgagagcag	agctcaagat	53460
ccacaattgc	aaaggccact	gctggctcac	ttcctcacaa	gctgtattac	ctttcagagc	53520
tgagtgaggc	tgtgctctac	gtcccaatac	ttgttactga	gtggacatga	ggtgcaagtt	53580
tagcacctta	aaggagagaa	aaaataggtt	agtatgcaga	atgtgatttt	gtcctcactt	53640
caccttaagt	catcttttta	cacttgccaa	tgtgagttct	gaaagggtact	actatatctg	53700
cttagaaatg	gctgagtgc	tgtcaattaa	aagccacatg	ataaggtagg	ttacaggtaa	53760
gaggtaaatc	aggttagaca	tgcatgagaa	catgtaggca	cagactgaat	ataagcacag	53820
gaacactcgt	gaaacccaac	tgagcttttc	ttttgcctag	aagggtctaaa	tcctgccttc	53880
tacatcagtt	cccattttatg	ctgaaaaccc	agttgaaaga	attgttttct	acctggacag	53940
tgacacagta	gtttgtttca	taccagaaac	acattgctaa	acaaaactta	agagtctcag	54000
tttgggtttt	tctacaataa	agtgaattcc	aacagttggc	atttgccaca	gtagagacca	54060
ctaaccattc	cctaattgtg	atgattttat	taccagcac	catcttctgg	agaaaaatat	54120

ctgtaagggtg	ctcagttctca	gcagaacact	tcactgcaag	ctctagttca	gtcagttcag	54180
aaaggctgtg	aattgcccac	cctgattttac	agcactaatt	ttaataatct	gaagacaaat	54240
tcgcttgggg	cttatccaag	ggactagtct	taaacctacg	taattttaat	tgattgcatt	54300
ttataattaa	taaaatcccc	tgtaactcaa	tagttatatg	tttcctttat	ctaaaccatg	54360
tagcactctt	tataaaggga	ctttaaacca	attaaaataa	tgtttcatgt	gcggcaagcc	54420
tttagtacta	tttccataat	tggtattttat	ttttaaattc	ataaccatga	atgcaagact	54480
acaataataa	cccaagagat	gaggtatgta	gtactttatca	tttgtcctat	ggaagacaga	54540
agtacagaag	atcttttaggg	taagtccata	gtgacctcat	ttataacaaa	gacaattcac	54600
tttaagttga	tggtggcggt	atgtgaacaa	aacaatctac	ctagtttact	aactcccaga	54660
aggctctttc	aggtagccctg	ctgttatgca	accagtctca	aaaatgattt	gaaaaccatc	54720
ttacttttga	acctcctgga	tgatgaatcc	atccactgga	tattcctggg	acagtactct	54780
cagcagggtat	tgatgaacat	gaatcaattc	tttgtgcttt	ctgtagcact	tcataaagtt	54840
atggcaaaga	cctgttttcac	tgaggctttc	ttcacacagg	aaaggaatct	aatgcttgta	54900
aatgacaag	acagattttcc	aattctaact	aactggcttt	ccataagcat	tgtagcttac	54960
ttacattcca	ggtctgaatt	caaaagaaaa	atacaaagta	tctgtcaacc	tagttaccat	55020
ttttgtattt	gacacatttg	aaacaagtag	tacgtaagcc	taatgatcca	agttgaaaaa	55080
ttagcctatt	taaaaacgta	tactaatggt	tttactgat	ccaataacta	gactaaaaca	55140
cttcaaaaga	gtagatggta	ccagttcggc	tttatcctgg	taccctgtgg	gccccatgaag	55200
atcatctaag	tatgcagaaa	aagtgtcttc	aaagtttctt	gtgcttttcc	tttaaccttc	55260
aacttccagt	atatatagcc	ccagccaagt	tttcagatcc	tcatcattaa	ttcacttcat	55320
gaattgggtt	tgtttgccac	agtcctatgg	ttctcaggta	agtttcagta	gcatttaagg	55380
tcctccaaag	caagataaga	taaaatggta	aaaggaaaaac	aaaatacagt	cagtagccaa	55440
tggcctgctc	tcaaaccttc	atattttta	ataaaatatt	catacagcat	actacacttc	55500
tgcttgctaa	ctgaatactg	ttactgatga	gctctagaca	acagataaag	caaattctct	55560
cttccaatat	ctatgaacag	aaaattccaa	acactactgg	gatgtcgctt	tagggtaggg	55620
aaatgtgttc	cgaaaatctg	tcctggagaa	agcaggcaag	gaaacagcgc	tttttccatc	55680
accaaactctg	atcccacgcc	tggtggaatc	aagcctggag	tttatagtgt	tcgcatttga	55740
aggctctctg	gctgcagatc	accccgcgtg	ttgctgtttc	ctgtgccgca	cagtcttctc	55800
cctctagaag	taagcatttc	tccagtcttc	cttttggtgt	gacttctctt	tcttcagtta	55860
agagttaa	aataattact	gttgctctaa	agatgagtta	aaaacccaaa	gtgcaggcta	55920
gaatcctgcc	atgaggggtg	catgtctcag	gaagctgggt	aatgtctgtc	agtttagtat	55980
cattcagaat	tgcccggatt	ctctccaagg	agtcagcttg	ccggatccgc	tctaactgca	56040
cctggagaaa	caatgggtgag	ataactacag	gtggctcctg	cctagatttt	ctgaactttg	56100
actggtttag	ctgagatgta	gcagattaac	tcaccagatg	actagtcact	tcaaagggag	56160
acagcaagaa	caattaaaaa	ttttaaaat	aattccccaa	agctaccgtg	taacggactg	56220
ggattttttt	ttgggggggga	gagttttgct	catcatccag	gccagcccag	gccagagtgc	56280
aatgggtgtga	tctcggtctca	ctgtagtctc	cacctcccg	gttcaagtga	ttctcctgtc	56340
tcagcctccc	gagtagctga	gattacaggt	gcctgccatc	acacctggct	tgcttgcttt	56400
ttcttttctc	ccagatggag	tattgctccg	tcaccagggc	tgtagtgtag	tggtcatgatc	56460
ttggctcact	gcaacctcca	cttcccgggt	tcaagcaatt	ctcctgtctc	agcctcccaa	56520
gtagctggga	ttataagcac	acgccaccat	gcccggctaa	tttttgtatt	ttaagtagag	56580
acggggtttc	accatattgt	tggtcaatct	gggtcacaac	tcttgacctc	aggtaattcca	56640
tccatgtcag	cttcccatac	tgctgggatt	ataggcgtga	gccaccatgc	ctggcccaga	56700
ctaggatttt	aaagtgtaat	gtgtggggt	tatggagaca	aatgagacct	gactcccaat	56760
cctgaagaat	ccacagttcc	agtccgggga	cgggtggctca	cgctgtgaat	cccagcaatt	56820
tgaggagctg	aggcagggtg	atcacctgag	gtcaggagtt	tgagaccagc	ctgaccaaca	56880
tggtgaaacc	ctgtctctac	taaaaataca	aaaattagct	gggcttggtg	gtgtgtactt	56940
gtaatcccag	ctaccagga	ggatgaggca	ggagaatcgc	tggaatccag	gaggcacagg	57000
ctgcagttag	ccaagatcac	accactgcac	tctagcctgg	gcaacagagc	atgactccgt	57060
ctccaaaaaa	aaaaaaaaat	ccgaagtccc	attgggaaaa	aaacttagtt	ttagcacaat	57120
attctaaatg	tcattgtgtc	attacaggca	ttcataagat	gcccagaggga	gcatggcaga	57180
gggaggggca	cttttagcca	gctcagggac	ctagaagagc	tccacagagg	ggacagacct	57240
acgctgagcc	ttgaaagaaa	ggagtccagg	ggggatgaga	tgaggatgct	taccagacag	57300
aacaccacgc	tgtgggcgag	gaaccacaag	cagttaaaca	tgtaaaacaa	ggcagagaga	57360
tgagcaaaat	acaggggtgg	gcctgggttg	gaagagtctt	acatgggtatg	ctaaggagtc	57420
agtactttac	tcataaggag	gcaaaattgg	caaggcatac	agaaaaagaa	aaatgggcca	57480
agtgtgaaga	acacaccagg	tttctggctt	gaatgatgag	tcagacattt	ggggtggagg	57540
taggagcagc	cagtctctaa	acctctagct	actgccagtg	gtcaagtcag	ggatcggcaa	57600
ggttctgtcc	cccaaaactg	ccttcgtgct	ctgtatgtgg	ttcccaaat	gcctcacctg	57660
aagggtctgt	gaaagcttta	caaaatccct	ctggacttgc	tcactgacat	ctaattctgt	57720
ctgtaatctc	tgagctttat	tcttctcttc	aaacattagt	tgttcaacgg	tagcctaaaa	57780

aatacaagtt	ttgaatgaag	attaatgcc	aagggccgaa	ttacttagga	aatccagtaa	57840
cttgtagtta	cctactacta	gggcagaaag	gtgggtggat	atccgtcgca	ctcctataca	57900
cgaccaatct	ctttatctat	agggcaagcg	tgcaggccat	ctagactact	tgctctaagt	57960
cctgagatga	actgggtatg	aaaagccaaa	ggaagaaatg	gattaaagt	ctgccctccc	58020
ccacccccag	cagctggtga	cagtgcagat	aatcaccaaa	acagctgcta	agatcgggtg	58080
ctgtcacacc	aacagggata	catacaggac	ttcctctgac	aacctccaca	gtcaagcatc	58140
caccaggaaa	cttagtgaat	acgccccagc	tatccccagt	ctctcttaca	gaaaaccagc	58200
aggatgtgtg	ggagcctttc	caaaaacaag	cagttcagca	acactgtctg	cactttcagg	58260
tctgaccact	cagctcacta	agaccatttc	taggaaacta	ccccacaac	atgcacgttt	58320
attctaacgg	aactcatcaa	aatttaggca	gcaaacctgg	tttgatgcaa	tctctcttag	58380
gatttgatac	atcagtcaaa	tggaaatgaca	ttttcaaagc	agtgttctta	actgggcagt	58440
gccagggtt	ggtcaatggc	cctgactgcc	tactatctga	agctagccta	tgacgcaggc	58500
ctccagacct	ggcagaaaag	atttaaccca	gctggaatag	atcaattcgt	ttaagttttt	58560
tcttttcaca	agctgtcagt	tttgccaaact	ttttaaaagg	tgacacttca	aagcaccaat	58620
attttttttt	caacaagcaa	gatgtgatcc	tgcatcttta	gccctgcttt	ttaaaattaa	58680
atgactaatg	aaaacactac	cttagcagca	gtctctttct	ttaactgctc	ttccaaactg	58740
atctttattt	ctgaagact	ctcaagctgt	tgagacttct	ctcttaatgt	ggactccaac	58800
tgtgaaaaag	gaaaaagctg	aaactcacag	aaactccctc	tgggccccag	tgactacct	58860
aaaagagcct	agagcctgga	gaattacacc	aagacactcg	ggctacactg	ggaatactcc	58920
tctcaccctt	tcagctctgt	ggatccccct	tgtattcttc	ctgaactatt	ctttcattaa	58980
ccattattag	gtgcctacta	tattctaagg	cctcaaaatg	gagaaatcag	ggtaaacaga	59040
catgtaaagg	atgaagaaa	aagcatttaa	ttctgcccaga	aaagttacaa	aggacttcct	59100
agaggagatg	acatttgact	cctacatttt	tacagggcaa	agacaagggg	gacaagggga	59160
gaagatggag	agatactcca	ataagaggga	atggatggca	cgcactaaaa	acacatgcag	59220
caacagtggc	atgttcgggt	ggcctacagc	acagcacgtt	gggagccaca	ggcactgagg	59280
caagagggtg	tgaggcagga	gagctctggc	tgggctaagg	atatggactt	gatcctgtaa	59340
aataaaggga	actacgggag	ggctttccac	tagactggga	cgcgaaacaag	tttctaattg	59400
ttaaataatca	ccttgatttc	aatatggaga	tgatttaggg	acaaattttg	gaggcaggga	59460
aagttaggct	gttacaataa	gccaggtgag	agtgaagtct	gaactcaaag	agtggcagct	59520
agaatggaaa	ggatgagatg	ttatttcgag	cgctggtaat	ttctgctggg	gcaatatcag	59580
tagcaaagtg	gaggcaggag	gcagactgca	gcaggtggag	ggatgcctgg	gaagtcaggc	59640
agtgatgatg	atcaagactg	tggcaacaga	gggaggaaga	aagagtggta	gctcgggaga	59700
ggagtgcaat	ccaaagacag	actttttcct	tctgaatatg	agacacctga	gcctgttcat	59760
gcataatgga	aaagatcagt	caagaggcag	aagttcaagg	cccggcactg	cgcggggaca	59820
tctggaaaag	tcggagatac	tcagtcaaag	cacctatgca	atgacactgt	ggtcagaagc	59880
aggtcatgat	attctctgaa	gaaaaagaaa	agactgggaa	taaaaggaaa	acctgtaatt	59940
gaggagccca	gtagctgaag	gtggccctgc	ctgatgcctg	aggagtgagg	ccagcatctg	60000
ctgagagtga	gggggctgag	gtgaggtgac	tctgaaactg	ccactgtgag	gaatggaaga	60060
gacgcaactt	aggacacatg	aaaggctgca	tgaggaacac	tggaggccca	tctggcagct	60120
tgagcatgca	gtgtcaccaa	gtctcgtggc	atcagcagct	ggggacagca	agactagtcc	60180
aaggttgggc	agtggtcagg	tgagggcagc	agcaggacaa	ggagtcaaa	accataggga	60240
caggtgtggg	gggagatgaa	gggaagaggc	aggccagtaa	gatgcaacct	aggggaaaga	60300
aagcaagcca	tgaagctgct	gaaaccagaa	tgaaggggga	agttcagaga	actggagggtc	60360
tgaatgaggt	actccgtagg	aagagctgga	aggatggcag	attgtgggtca	aggaacttaa	60420
ggctgcagtg	agatgtcaca	gttgggcaaa	atgcagccca	gtgtgtggaa	ggggagagca	60480
gggtggaggt	gaaaaatctct	aatcaagga	acagtgaggt	cagggaagttg	aatgggggtta	60540
ctatgaaagg	aactaatgat	gtctaagagg	actaagccag	ctagaaaatg	tcatctcttg	60600
tttgtaatgt	tttttatata	tattttctact	gtacctctaa	gcatataaca	tgttatgacc	60660
atgccttgcc	tatcttctca	ctacactgga	aactccaggc	cacagtcaca	tcttagcctt	60720
acctcctcca	gtttaacgta	gcctgacaca	cagggcactc	tcaataaatc	accagcacac	60780
ccttaccocg	tggtttttctt	cccacaagac	aaaagttcct	taaggcaggg	cccagtcctt	60840
aactattttt	tattcgttgg	gtgcagcata	gtaggagtca	gtaaataacc	actgggtgct	60900
gatagaatta	atttgaaact	cacgacttac	ctgtcctttt	tccactttta	ttctttctaa	60960
ttcagctttt	aggctagaaa	tagaagctag	aaggaaaaaa	atgagatgta	ttagcattca	61020
tctattattg	tgcataaaca	tttttttctt	taaaattttt	gagcaccccc	caaaggattc	61080
aatgtatgc	tgaacatggg	ttccgggggc	tgtctcaaaa	ttaccaccaa	gcaatcagca	61140
tatttaggct	cagggaaaag	caggatccat	gcaaatggac	actgtgtcat	aaactacctc	61200
tagatcatgt	atcacatctc	tgcagggaaa	tgccacccat	tgaatcacgt	tcccctgggt	61260
ctgggttcaa	gtactgagaa	tcctatctat	gaataattgc	caaagaggcc	acagaactcc	61320
taaaaagacg	agtttttcggc	caggcgctgt	ggcttacaac	tgtaatccca	gcatttgcaa	61380
ggccgaggga	ggcagatcac	ctgaggtcag	gagttcgaga	ccagcttgac	caacatggag	61440

aaacccgtct	ctactaaaaa	tacaaaatta	gctgggtgtg	ctggcacaca	tgccctgtaat	61500
cccagctact	cgaggaggctg	aggcagcaga	attgcctgaa	cctgggagggc	agaggttgcg	61560
gtgagccaag	atcgcgccat	tgcactccag	cctgggcaac	aagaatgaaa	ctccgtctca	61620
aaaaaaaaaa	aaaaaaaaaa	aatTTTTTaa	ataaccagaa	tttctgatta	tttgactata	61680
tcagaatata	tattcagaat	ctgaatatat	cagaatatct	acaaaaaatg	gactgagtc	61740
ttactaaatt	ctttcctaag	cttttctgtg	ttccagactc	catggccatg	tattgcttct	61800
tttactaaag	ttttatttag	tgactctaat	tctaaactac	atcactttta	tcttcacct	61860
tttctctctt	gcagttttct	atttctagtt	gcagagtttc	ttcaagattt	tcttttaaac	61920
actgttctgc	ttggatctgc	tcttttagga	aaagtatctc	agccttcagc	ttttcttcta	61980
cgtggtctgc	tgctgtccgc	acattaatga	tgctctcacg	gtattttaat	accaactccc	62040
gcagtgcctg	gattcaagaa	acaaatgatt	attgggtttg	tgagagtga	aggaaataaa	62100
gaagctaaag	attttctgta	accagaatct	cagatgttgt	tttaatgggt	caaaaattaa	62160
gactttgacc	attaagccac	ttagagcttc	agggcaggtg	ccatgtcagg	ttaacattca	62220
gtatgttata	gaaaagacat	ttctggccaa	gtcgtatctt	gtaagccaca	tactcttccc	62280
tcaaaactgt	ttcataagca	gaaaaataaa	aagattaagt	gacttacaat	atgccattca	62340
atagaaataa	taccttagaa	tcctctacta	ttacttgcag	aaatttgga	ggagttagga	62400
aatgaagaca	aaactgagta	gcaagttcac	actcagtagc	aagtgtgaac	taagaggata	62460
acattttatt	acttactcac	ttattcattc	attcaaacat	ttactaaaca	tctaccagag	62520
gcaaagtact	accttaggcc	agaggtaa	aatggcaaa	gtggctttct	aaggtggtaa	62580
gctgtttttc	tgtaataaat	tcagtataga	atttattttt	cttcctaaat	tttagttctg	62640
tcttctttta	gaaatccttc	caattatata	ctaaagcaac	tctaaagtaa	aaacgagatt	62700
ctcaaaataa	aatatatata	aaacaacagt	ttttaaaatt	tcctaagatt	tattgctgaa	62760
gcaggtccaa	gaatcaagga	ttacacactg	actacattct	tcaaggattc	ttggaacttt	62820
ttttttcttt	ttcttgagac	aggatcttcc	tctgtcacc	agactggagt	atggagtga	62880
atggcataat	catatctcac	cacagactca	aactcctggg	ctcaagcaaa	actcccactt	62940
caacctccca	atgtgctggg	attacaggca	agtgccactg	tgcccggcct	ggattcttgg	63000
aacattttta	gatctaggac	taggcaggcg	cgttggtcta	agcctgtaat	cccagcactt	63060
ttgggaagcc	gaggaaggcg	gattccttga	ggtcgagaat	tcgagaccag	cctggccaac	63120
atggtagcca	gacatggtgg	cacacacctg	tagtcccagc	tactcaggag	gcagaggcag	63180
gagaattgct	tgaaccacga	aggcggaggt	tgcaataaag	tgagattaca	ccactgcact	63240
ccagcctggg	tgacagagca	agactctgtc	tcaaaataaa	taaataaata	aataaataaa	63300
atgaaataaa	atctaggaat	aaagtctcta	aagaacatgg	aagacaggat	tctttcctga	63360
caaaagagaa	aaatctaaca	ggtggaaggt	ggtaaacagt	gattttaagc	tgatagcaaa	63420
agtagacagg	ttcccaaaac	cttttttttt	ttaatgaga	cagggtcttc	actctgtctc	63480
ccaggctgga	gggcagtggc	gcgatctcag	ctcactgcag	ctttgacctc	ctgggctcag	63540
gcgacccctc	ccacctcagc	ctcccaagta	ggtgtagctg	ggactactac	aagtgtgtgc	63600
caccatcctt	ggctaatttt	ttttgtttgt	ttcagtagca	tcgggggttt	gccatgttgt	63660
ccaggctggt	gttgaaactcc	tgacctcaag	caatctgcct	gccttggcct	cccaaagtgc	63720
taggattgca	ggcctcagcc	accataccct	gcccccgata	ccttcttttg	atgacagcag	63780
tcaccaattc	agaaaggaaa	gaaggctctg	ccaagagtgc	ctgtaacatg	agctgagacg	63840
ataagaagtt	ggggaaggt	gggagacagc	aaagagctaa	tggaagata	ggcaactggg	63900
tttttgtaaa	tgatgaaata	aacataaaaa	ataacagtca	tgtaataaca	tatataggaa	63960
aaaagaatga	ggtccaaatt	atagagattg	aatctgtagg	gtataattag	gggaaacttc	64020
tactacttaa	gatttcctta	aaaaggaaaa	aaaaaaaaaa	aaagaaacag	gtataaagat	64080
tgatagggac	aggcacggtg	tctcatgcct	gcaatcccag	cactttggga	ggccgaagca	64140
ggctaatac	ctgagatcag	gagttcgaga	ccagcctggc	caacatggcg	aaaccgcac	64200
tctactaaaa	atacaaaaaa	aggccaggtg	cgggtggctga	tgccctgtaat	ccccgcactt	64260
tgaggaggcca	aggcgggagg	atcacgaggt	caggagttgg	agaccagcct	agccaatgtg	64320
gtgaaacccc	atctctacta	aaaaatattt	taaaaaattt	gccaggcaca	gtggcacgcg	64380
cctgttgtcc	cagtactcag	gaagctgagg	caggagaatc	acttgaacct	gggagacaga	64440
ggttgacgta	agcctaggtt	gcgccactgc	actccagcct	gggtgacaga	gcaagactcc	64500
atctcaaaaa	aataaaaaaa	aataaaaaaa	ataaaaaata	ataaaaaata	agaaacaaat	64560
tagccagcg	tgctggcgca	cgccgtgtaat	cccagctact	cgggagggtg	aggcaggaga	64620
atcacttgaa	cccaggaggc	ggaggttgca	gtgagccaag	atcacaccac	tgcactccag	64680
cctagggggac	agaatgaaac	tgtgtctcaa	aaaataaaaa	ttaaaaatta	agcttgagata	64740
aagttaagga	gagaattatg	aatgtctctg	ggaaaccagt	tttgtagccc	aggtttaccc	64800
aaccacagaa	gaatgtaagt	gacaaaaagt	gccatctttg	gctgggcatg	gtggctcacg	64860
tgaggtcagg	agctcaagac	cagcctggca	aacatgggtg	aaccccatct	atactataaa	64920
tgcaaaaaat	tagctgggca	tggtggcagg	cgcttgtaat	cccagctact	ggggaggctg	64980
aggcaggaga	atcgttttaa	cctgtgaggg	ggagggtgca	gtgagcagag	atgatgccat	65040
tgcactccag	cctgggtgac	agatattatc	tgtctcaaaa	agaaacaaaa	gtgtcatctt	65100

tatggacagc	atgatgggtga	gtgtgtttata	actttttcaag	tactagatac	aaaaacaaac	65160
gtcataagca	gccagcatgg	taaccccttc	aaacatttta	tttctggcac	actctcaatc	65220
tgggccgaca	aaaataacat	agatcttcaa	aacattaagg	ctacgtgaaa	gaacatggac	65280
acaaaagacc	acatatcgta	tgattctatt	cataggaaa	tccagaatag	ggaaatctat	65340
agaggcagaa	aggttagtag	ttgcttaagg	ctaggggagg	agggggaata	aggatggtag	65400
ctaaagggcg	aagtgttact	ttttcgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	65460
tgtgtgtgtg	tgtttagctg	gtgtagtcgg	gtcacaggga	gttactactt	gaggtgatga	65520
aaatgttgta	aaattgattg	tgatgatggg	tgcacacatc	tgtgagtaca	gcaaaaacca	65580
ctgaatggta	cattttaaat	ggttgaattg	gcacgtgaat	tatatctgaa	taaaactggt	65640
tacataaaga	acatacggcc	atttcagaaa	acgtacttgt	tgacattttt	gatcatgtgg	65700
aaagtaagtt	acctctgtag	tgtctgggag	gatgaagtct	tctgcttgct	gtaatgacac	65760
atgcaggctg	tgctttccct	ggagactgtc	attatctttc	tgtaacctca	ccagctcttc	65820
tgaaacctgt	tcccgtgact	gcacacagca	cgcc			65854

<210> 12629

<211> 979

<212> DNA

<213> Homo sapiens

<400> 12629

gagaggggta	cctagaaccc	agagaacatt	ggcttatgcc	agataccaca	ccacatctgg	60
gcttacattc	ttgtatcttt	tttggtgtgt	gggcgggggg	ggtggggggc	agttcagtga	120
agtctagaag	acctgctgga	caaattctaa	aagagctaga	gctgtaacac	ttattcttgc	180
atcttattaa	ttttctatga	tattttttcc	ttcttcgtag	ggacttgga	caatctggct	240
ttgctgcttt	ctaactgcta	ggcacctctc	tctaaccctc	attgtcagag	ggaattggag	300
gatataccca	gtctgttcc	gttctgatat	tctgagcaga	gaaaaggcac	taacggttcc	360
tcttagctat	ttaattatca	gaagcaagta	atctttcccc	agataatatt	ttgccctaga	420
agaagccgtg	atcttagctct	tttattgtgc	ttacttggtc	caaatacatc	tgtgggggtg	480
tttgtcattt	cttaaatgaat	gaatcatagt	tataaccagg	ggccaagctg	ccaagaggc	540
tcttcagaga	tcatggatgc	tctctttctg	gaagctgtgg	cctgatggag	cagccccatt	600
ccaggggtccc	atctgtccgg	agttgtgtat	gtcaagtcgg	gctcagtcct	tatttccaac	660
actagccgtg	gtcctgtgca	gtcaagctct	cagctagtgt	ttagggctgt	ctgtcagaaa	720
tgggtatacg	tgggcaaaa	aagatctgac	agctcctata	taccttatct	tactgaattc	780
ttaaactttg	aaccagttct	tccacttact	gacttggtac	caactgctgac	tttctgaaaa	840
gttttccagt	ttttgttttt	tgttttttgt	tttccagtag	gggattagaa	tgttttagtcc	900
tacttagtaa	gaaaaatatt	gtatttttta	tcattcatag	tgctggtaaa	aaaaaaaaaa	960
aaaaaaaaaa	aattggggg					979

<210> 12630

<211> 91

<212> DNA

<213> Homo sapiens

<400> 12630

ccccgggaggc	ggagcttgca	gtgagctgag	attgcaccac	tacactccag	cctgggagac	60
agagtggagac	tctgtctcaa	aaaaaaaaa	a			91

<210> 12631

<211> 1429

<212> DNA

<213> Homo sapiens

<400> 12631

cagtaccta	aatagtggct	ggcccctatg	tattgggtca	tagcaggtag	tacattcacc	60
tctctactat	gtttaataca	gtttattttc	cttggtgtgtg	ccttgctaaa	atatttatgt	120
ttaaatttct	gtatttgata	cacattgtga	aaggacattt	tcaagtctaa	gtcccatgac	180
ttgagtttgc	ctgtgtctcc	cattaaaagc	tctcaattac	accattgtgt	gccagtagac	240
tcgcattgtg	cctggccagt	gttggacagt	aaataaaaa	tcagtgtctt	attcactgag	300

gtatagtgcc	taaaacagaa	gacattccat	aaatatgtgt	ggaatgaatg	acttaaatat	360
ttgattaatg	aagttttaagt	tgagcaaaga	aaggagaact	agtagcttag	atttactaag	420
aatactatgc	cacattttatt	tgttttat	tagagacagt	cttactctgt	tgcccatgct	480
ggagtacagt	tgtatgatca	tagctcacta	tggactcaac	ctcctgggct	caagcaatcc	540
tcccatctca	gcctcccaag	tagctgggac	tacaggaatg	caccctcttc	cctgggcta	600
ttttaaat	cctgtagaga	tggggctctg	ctatgttgcc	caggctgtcc	tcaaactcct	660
ggcctgaagt	aatcctccca	tctcagcctc	ccaaagtgt	gggagtacag	atgtgagcca	720
ccgctcgtgg	cctatgctac	atatttttta	acatctttat	cgttcacaag	taatttcaca	780
ggtatcccct	tacttgagtc	ttgcaacaac	tctatgaggt	ttattttgcc	agattttatag	840
ctgaggaata	agactcagag	gagtcagagg	gcttctctaa	gattatttag	cttgcagatt	900
ggaacttgaa	cccaagcctt	gactccta	tttatatttg	tatgaattca	tacaaatgtc	960
ataggaaatt	atccacattt	tataactaga	attatagaat	tagaagtggc	ctcacacatc	1020
acaaatcctg	aaccctcac	tcatttttca	aaagaggaaa	ataagaattg	gaaagtttat	1080
atatgtatcc	aaaggtacac	atccagttta	ggaatttcaa	aaagctggct	aggcacagtg	1140
gcacatacct	gtaattccag	cagtttgagg	gcccagagtg	ggtggatcac	ctgaggtcag	1200
gagttcgaga	ccagcctgac	caacatggcg	aaaccccatc	tctactaaaa	atacaaaact	1260
agccaggtgt	ggtggtgcac	acctgtaagt	aatcccagct	acttgggagg	cggaggcagg	1320
agaatagctt	gaacctggga	ggcggagatt	gcagtgaagt	gagattgcac	caactgcactc	1380
cagcctggac	gacagagggg	gactccgtct	caaaaaaaaa	aaaaaaaaa		1429

<210> 12632  
 <211> 1444  
 <212> DNA  
 <213> Homo sapiens

<400> 12632						
cagtaccta	aatagtggct	ggccccatg	tattgggtca	tagcaggtac	tacattcacc	60
tctctactat	gtttaataca	gtttatttcc	cttgtgtgtg	ccttgctaaa	atatttatgt	120
ttaaat	gtatttgata	cacattgtga	aaggacattt	tcaagtctaa	gtcccatgac	180
ttgagtttgc	ctgtgtctcc	cattaaaaagc	tctcaattac	accattgtgt	gcccagttacc	240
tgcattgtg	cctggccagt	gttggacagt	aaataaaaaat	tcagtgtctt	attcactgag	300
gtatagtgcc	taaaacagaa	gacattccat	aaatatgtgt	ggaatgaatg	acttaaatat	360
ttgattaatg	aagttttaagt	tgagcaaaga	aaggagaact	agtagcttag	atttactaag	420
aatactatgc	cacattttatt	tgttttat	tagagacagt	cttactctgt	tgcccatgct	480
ggagtacagt	tgtatgatca	tagctcacta	tggactcaac	ctcctgggct	caagcaatcc	540
tcccatctca	gcctcccaag	tagctgggac	tacaggaatg	caccctcttc	cctgggcta	600
ttttaaat	cctgtagaga	tggggctctg	ctatgttgcc	caggctgtcc	tcaaactcct	660
ggcctgaagt	aatcctccca	tctcagcctc	ccaaagtgt	gggagtacag	atgtgagcca	720
ccgctcgtgg	cctatgctac	atatttttta	acatctttat	cgttcacaag	taatttcaca	780
ggtatcccct	tacttgagtc	ttgcaacaac	tctatgaggt	ttattttgcc	agattttatag	840
ctgaggaata	agactcagag	gagtcagagg	gcttctctaa	gattatttag	cttgcagatt	900
ggaacttgaa	cccaagcctt	gactccta	tttatatttg	tatgaattca	tacaaatgtc	960
ataggaaatt	atccacattt	tataactaga	attatagaat	tagaagtggc	ctcacacatc	1020
acaaatcctg	aaccctcac	tcatttttca	aaagaggaaa	ataagaattg	gaaagtttat	1080
atatgtatcc	aaaggtacac	atccagttta	ggaatttcaa	aaagctggct	aggcacagtg	1140
gcacatacct	gtaattccag	cagtttgagg	gcccagagtg	ggtggatcac	ctgaggtcag	1200
gagttcgaga	ccagcctgac	caacatggcg	aaaccccatc	tctactaaaa	atacaaaact	1260
agccaggtgt	ggtggtgcac	acctgtaagt	aatcccagct	acttgggagg	cggaggcagg	1320
agaatagctt	gaacctggga	ggcggagatt	gcagtgaagt	gagattgcac	caactgcactc	1380
cagcctggac	gacagagggg	gactccgtct	caaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1440
aaaa						1444

<210> 12633  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 12633						
tactaaagaa	tctgcagttg	ttggatacac	tgctgaatgc	atatgtgagc	aatagttaga	60

ggttagatgg	aggctagtga	tccattattg	gctgcaggag	tcctcgtgct	gtgtgagaca	120
cagatagatt	caaaggaccc	tagaaaagg	tagagctcaa	tcatacattt	gcagaatata	180
tgaatggtgt	ttgaaaatct					200

<210> 12634  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 12634						
aatgaaaatt	cagttgaaac	tacgtgtctg	ccttaccaaa	ttcttcctca	gggtcttaga	60
ctaccaagtc	cttcatgaag	ctttcctggc	aagttagaga	atgtatgtaa	aatgtcttgc	120
agtgtggcca	gcacaaaaca	gtctcacaag	agctgcatct	ttctctcctg	cggttactct	180
agccagaagt	gatgtctttc	tccttgtagc	tcctatatgt	catttaataca	aatggcatca	240
actcactctg	tctaatacta	gagtttgcac	ttctcttaag	ttttcaatgt	gaatgtaaat	300
gccaggtagc	aaggaccttg	cacagtgcac	catactaaag	aatctgcagt	tgttggatac	360
actgctgaat	gcataatgtga	gcaatagtta	gagggttagat	ggaggctagt	gatccattat	420
tggctgcagg	agtcctcgtg	ctgtgtgaga	cacagataga	ttcaaaggac	cctagaaaag	480
ggtagagctc	aatcatacat	ttgcagaata	tatgaatggt	gtttgaaaat	ct	532

<210> 12635  
 <211> 12280  
 <212> DNA  
 <213> Homo sapiens

<400> 12635						
gatcacaagg	tcaggagatt	gagaccatcc	tggctaacac	agtgaaaccc	cgtctctact	60
aaaaatacaa	aaaaattagc	cgggcgtggt	ggcgggcgcc	tgtagtctca	gctactcggg	120
aggctgaggc	aggagaaatg	tgtgaacctg	ggaggtggag	cttgagtgga	gccgagatca	180
cgccactgca	ctccagcctg	ggcgacagag	cgagactccg	tctcgaaaaa	aaaaaaaaatg	240
gggaaggaac	catctaggag	ggaacacaat	gagggacggg	ccccagctg	cagatgtgac	300
agtggatatc	gtctgggcat	cctcagaggg	ccagtaggtg	ggcagggctg	gctgggggca	360
tgtcctgctt	tatagaagcg	catgtcacaa	ccccataaac	tgtgtgtgcc	ctgccccag	420
gtgacacgcc	cttcacctca	ccaccagagg	tggacagctg	ccaggggata	gacagtaacc	480
taccagggtc	cctagctcaa	ggcatgggca	gtgtggccct	gcagatgagg	gcacacctgg	540
ctgctcacga	caggtgacgc	catgccaccc	tccacagtgt	actgcagtgg	aggtggccca	600
tgtctgggctg	aggggtccct	ggtggggcag	ggacttccctg	tctggggctc	tccctgccaa	660
gctgaagaca	tggaaatcct	ctgggggtgga	cgggtgcagc	tgacgcctcg	tccctactgc	720
agaggaagtt	cgggtgtggtc	ctggatgaga	tcaagccctc	ctcgccccct	gagctccagg	780
ccgtgcgcac	gtttgctgac	tacctcgccc	acgagagtcg	gaggtgaggc	cccagagaat	840
gggttggcct	gaggcgcggg	gccatcttca	aggcctgttg	gttatgaacc	tgggtgggtg	900
ggggcatggc	gtgcagcgca	cagcatccct	cagattaggc	gcctctcccc	tctgtctccc	960
tgtgtctttg	tgcctcagtt	tccctcacct	gcacagcagt	ggggggctgg	tgatggatcc	1020
tgtttcaaag	gggaggggtca	gagacagtgc	tgtgtgtgca	cacgccctca	tggaccacaa	1080
ggcactctct	gaacctagaa	ctgaaaatat	caattaccga	gcagccctct	gcaacaccca	1140
gagccccaag	acagcccagg	gcgcagcggg	ggcagggccc	tcccatcagt	tttcttattt	1200
atattatttag	agatggagtc	tcaactctgtc	accaggctgg	agttgcagtg	gtgagatctc	1260
ggctcactgc	aacctctgcc	tcctgggttc	aagtgtattct	tgtgcctcag	cctcctgagt	1320
agctacgact	atagctgctg	gccaccacgt	ccagctaatt	tttgtatttt	agcagagact	1380
gggtttcacc	gtgttgccca	gggtgtgtct	gaactcctga	gctcaggcgg	tctgcccacc	1440
tcagctctcc	aaatcctatc	agttttctag	tcccagctag	ttgggggactg	caacctgcca	1500
gtatctcccc	tggagcccag	tgggaggggtg	ggtgaggcca	cgctgtcct	gcccctgagc	1560
cacaggccag	cgtttgtcaa	acgcccattg	gcggcagcca	aggggagagg	gggctgggct	1620
gtggggaccc	aggaaccttg	ccccctcctg	ctgtgggggtc	ggagtgaggg	tctggcatgg	1680
ggagactgct	gtgatcctgc	tcttccttgg	cccacggagg	cagtgtccca	actaccgcct	1740
cccttcactc	aaagaaacct	gggtttcctg	ggagctgact	cctgtgcaga	ggcagcatgg	1800
tggggtgaat	ggtgtccccc	aaaagggtacg	tccatatcct	atcccacatg	cttgtgaata	1860
tgatatcatt	tggaaaaagg	gtctttgccc	atcagattaa	gagataagga	gatgaagaca	1920
tgctggattt	agggtggggc	ccaaagccaa	ggacttgtgt	ccttttaaga	gataaaaagg	1980



gggtctgggtg	cagtggctca	tacttghtaat	ccagcactt	tgggaggacg	aggtgggcag	2040
atcacctgag	gtcaggagtt	ttcaagacca	gcctggccaa	cgtggtgaaa	ccccatttct	2100
attaaaaata	cagaattaac	aggatgtgat	gtctgtgatt	ccagctactt	gggaggctga	2160
ggcaggagaa	tcgcttgaac	ctggcaggca	gaggttgcag	tgagccaaga	tcgcactagt	2220
gcactccagc	ctgggtgaca	gcgggagact	gtcttaaaaa	aaaaaaaaaa	aaaaggaaag	2280
aggcccacag	agttaagccc	atgtgacaac	agactggagt	gacatgtctg	ctagccaagg	2340
agcaccacga	gtggccagca	gccaccagag	ctgggagaga	ggcctgggac	ggccttgccc	2400
tccagcctcc	agctggagcc	agccctgccg	ccaccttgac	ttcagactta	cggcctccag	2460
agctgtgagg	aacgaatccc	tgttgtcctt	aactgccccg	gctgtggtgc	tttgccacag	2520
cagctccagg	acattgagac	aggtgacctc	ccagggccac	tgtttctccc	accctgcact	2580
tacttcacca	ctgtggatga	aggcagggaa	ccctgggtcc	cccaggagca	gcagctgctg	2640
tgagcatcac	agaaaagcag	ccccggagag	caggcggtcc	aggcaggggc	ttgtggtccg	2700
ttcatctggc	tgcacagccg	cgacctcatt	ggcaggacgc	cccggggaca	aggagcatcc	2760
attagtaatt	ggtttttggt	ttgattttgt	ttctctgaga	tacggtcttg	ctctgtcggt	2820
cagcctggca	tacagtggca	caatcttggc	ttactgcagc	cttgatctcc	caggctcaag	2880
tgatcatccc	acctcagcct	ccggaatagc	tgggactaca	ggcacgcata	accatgcctg	2940
gctaattttg	atatattttta	gagatggggg	tttgctctggc	cgggcgcagt	ggctcacacc	3000
tgtaattccca	gcactttggg	aggccgaggc	gggcggatca	cgaggtcagg	agatgcagac	3060
tactctggct	aacacgtgaa	accccatctc	tactaaaaat	acaaaaaaaa	ttagccgggc	3120
atggtggcgg	gtgcctgtag	tcccagctac	tccgggaggct	gaggcgggag	aatggcatga	3180
accggggagg	cggagcttgc	agtgaagcaa	gatcgcacca	ctgcactcca	gcctgggcga	3240
aagtgcgaga	ctccgtctca	aaaaaaaaaa	aagagagatg	gggttttgcc	atggtgcca	3300
ggctgggtctc	aaactcctgg	gtcgaagcga	tccgcccagt	aattgatttt	gttgctgttg	3360
cttgtttttg	agatggtctc	cctctgtcac	ccaggctgga	gtgcagaggt	gtgaccacag	3420
ctcaccgcag	cttcaacctc	ccgggctgaa	gccatcctcc	tgctcagcc	tcccaagtag	3480
ttgggactac	aggcgccacc	aggcccagct	gactttctta	cttttttgta	gaaaaagggg	3540
tcttactatg	ttgcccaggg	tgttcttgaa	ctcctgggct	taagcgatcc	tgccctggcc	3600
tcccaaagcg	ctggggttac	aggtgtgagc	cacagtaccc	ggccccattg	gtaattgtaa	3660
caccttagga	tgacaacatt	acagtaccaa	cgctacgaca	actggcagtg	tttatacacc	3720
cttgtgtgct	ggagcctcag	gaagctttgt	aagatgggtc	tgggagctcc	ttgctcctcc	3780
cctgcatgat	ccctgtaaca	tggtcctca	gcacggggaa	acagactcag	acctgaagtc	3840
acttgtctgt	tggacctggc	actgtggcga	gccctcagtg	gagcctgggt	ggatatcagac	3900
atgccatgcc	ctcagtgaca	cctcagacac	gggccctggg	cagacagccc	ccagatgcgc	3960
gtggatgctt	acgggctcag	agagccacgt	ttgaaccagg	aagaacacca	gctttggtct	4020
agggtgggcc	ccctcactgc	cttctctttt	tagctgtctca	atagccatgg	ggaatggagg	4080
gtctgggtcc	agttagggac	atggaggcat	gggtgacctg	tgccctcgga	gctgagccgg	4140
tcctcagcct	tgccctgggt	caagcctggc	cctggccccg	agcacactgg	ccatcttcag	4200
ggtgcagcca	gcaccttggg	ctctcaggga	ctgagggcag	ctgccctggc	agtgggggtg	4260
ccccagggct	cccatccttc	tgcacggccc	ctcggcaccc	aggccgacct	cctgctagaa	4320
gacgtggcct	tgaagcccac	agggttgatg	ggttatggtc	aggagtccca	gctgggcccc	4380
ccagcctcct	caggaaggcg	ggtgaggttg	gtgtgagact	gacggtgctc	cctcatgtcc	4440
ccttggagcg	ccccacccca	catctcccgg	cctcgggtcc	ttgctggcc	cagcatgaga	4500
ggtgcttcat	aggaacggag	ggaggacatg	tcgggacagc	tcgatgtctg	gctgtgtgct	4560
gctctgcacc	cccagggcct	ggctcacctc	ctctggacct	gtctgcttcc	aaggaagggg	4620
accctctgag	gtcccacaga	ggccacccca	gctgtgggtc	gtgagcatct	ctgtcttgca	4680
gggacagcat	cgtggccgag	ctggaccgag	agatgagcag	gagcgtggac	gtgaccaaca	4740
ccaccttcct	gctcatggcc	gcctccatct	atctccacga	ccagaacccg	gatgccgccc	4800
tgcgtgcgct	gcaccagggg	gacagcctgg	agtggtgagt	ggcctccctg	ctctggggcc	4860
agcccaggga	ggcaagtgcc	ccctgccaca	tctccagggt	gcgcacggcc	tcgctggctg	4920
tcgtcatggg	agcagagaaa	ggtggtgctg	aatagaggcc	ctggcctgct	gtccaggctc	4980
cagctccccct	gcccagtgct	ggaggcactc	ccatctgcgc	accaggtctg	agatccaagg	5040
acacgtggcc	caggctgcaa	ccctctgttc	ccaaggcgag	agcagaaagc	ggctttgtct	5100
ctgctcggtt	tctgtgtccc	cacccccccac	gaagccttct	gtgtctcggc	cctgggcccc	5160
gtctctcagg	cctccccggg	ccccccatac	cggccctcct	ccagggccct	ctgggggttg	5220
ggtgctgaag	ccctgcaagg	ttggtgcccc	cctccacctt	aggatgtgac	tccgggccat	5280
gtccagggca	ctggtcacag	aaagtgtgtc	agttcttccc	cgtgagctgt	ccctgcagtg	5340
cctgccttcc	actgtgagtt	gcaagctggg	catttcatgg	tcgctgtgga	tctgtctcca	5400

tcggtgctgg	tccaggtgct	ggctcctgtt	ggcaggaaaa	caagaacaag	aggcctcacg	5700
agtaattcgt	ggtcacagcc	acctggggct	gagagggatg	aggggacgag	ggggcctgca	5760
gagagtgggt	ggccccaggg	ctctgctgca	ggtgcagggtg	caggggacggg	tgcgtggccc	5820
tcctctaggg	cctgttccct	gagtgttgat	gcctccaggg	tgtcagatcc	gggcagggcc	5880
ctccatctgg	aagcacagcc	catggaggct	gcttctccag	atgggagggtg	agtgggccc	5940
ggcctgaaac	cccatectgg	gtacctcccc	cagagctcct	gggcctgagg	aagctgagcg	6000
gtgaaatgtg	ggagttaggg	tgtcctcctc	tgctgggagg	ggctgggtgg	cctaagcaca	6060
ggacttagga	acatcccaga	cacacacagt	gagccctggg	tgtggagcgg	ccatgcaatg	6120
tgtctgtggc	gaccgctga	ccgccccctc	gccctgtcct	gcagcacagc	catgacagt	6180
cagatcctgc	tgaagctgga	ccgcctggac	ctcgccccgg	gagccctcct	gccccctctc	6240
acccgcactg	agccacagcc	cagagcgtca	cagcccagag	cgtcacagcc	cagagcgtct	6300
gtgggtgctg	cattactctt	gttgtctttc	ctttccatgg	gggtggcttg	ctgtcgttca	6360
gcccttccct	gcagtatgtt	gccagggagg	agggccatgg	ctctctgtgc	ctcagtttct	6420
ctctatgcag	tgggtggcag	gcctctccca	caggggtgagg	gtgggcttca	tggagggaga	6480
gtggaggttg	tgcctggagc	aacatgttac	ttgaccagct	tgtactgtg	ccgtggggct	6540
ggcggggcct	gcacgtggca	tcaccagggtc	ggaggccatg	gctgggggtc	caggactccc	6600
ctgctgccc	ttccaaagcc	cttgccctcag	agttgttcac	actgtagtgc	cgttgccctt	6660
ccctgcgttc	catcctccat	ggagttagtc	tctcctgagc	tctacctgt	ggtggccacc	6720
ctggggggcc	atagctggcc	ccagtcccac	cttcccagg	cctgcacgtg	gtcagacggg	6780
caggggtggc	cgggcactta	gtcgtgggg	atgagcatgc	agtggagcac	aaagcagggg	6840
ccatccccag	gctccgggtg	gccccaaagt	gggacaaggc	agggatggcc	aggccagggc	6900
cctcggccac	tcagccccct	tgtcatctgt	ccccgcccc	ggaaggagct	gaagagaatg	6960
caggacctgg	acgaggatgc	caccctcacc	cagctcgcca	ctgcctgggt	cagcctggcc	7020
acggtgagcc	ctaggccatg	aggtgggtgg	gcattgcggg	cacctggctg	agcagggtct	7080
gtgggcaccc	ccacctgtgc	gtaggctgtg	ggccactcca	gtggggctcc	aggatcaggg	7140
cgtggcccc	gccagcctgg	cataactcag	ccttgactcc	attccgggct	tctcacagcc	7200
aagcgacttg	gccagagcca	gagcgaagag	atggtggggg	cggggacggg	ttcctgagcc	7260
tgaggcacag	gggtactcga	gggtctgggt	tggcctggca	ggccctcctc	ccctcagggc	7320
ttcctgggg	tttctgcgac	tcagctttgc	tctccagggt	cctgggtcgc	agccagggac	7380
ggagttcagt	gttcccatag	cagcgggtga	gatgtcctca	gctcccaggc	ctgggcacct	7440
ccgccccgca	acagccccct	tctgtgtttc	tgggacttgg	cccccttctg	agccactctt	7500
ttgtgtgggc	ctattaaaa	gtgcttccct	gctggtcgca	gtggctcacg	cctgtaatcc	7560
cagcacttcg	ggaggccgag	gcgggtggat	catgtgaggt	tgggagttct	agaccagcct	7620
gaccaacatg	gagaaacccc	atctttacca	aaaatacaaa	attagctggg	cttgggtcca	7680
tgcacctgta	aaccacagcta	ctcaggaggc	tgaggcagga	gaatcgcttg	aaccggggag	7740
gtggagggtg	cggtgagcca	agatcgcgcc	agtgcactcc	tgcctgagca	acaagagtga	7800
aactctgaga	aagaaaaaaa	aatgtgctcc	ccgtccctgc	ccgccacggg	gctgaagcct	7860
caccagagaca	gacttccagt	gaccgtctag	tatggtagga	cagggccccg	cagacctatc	7920
gggtagtttg	ggctgttttc	actgcctgcc	ttggcctcag	gctccccctg	caagtgttct	7980
gctgttctga	gcaagtggac	aggtcagggc	tgctgggtcac	agagctgact	cctcctcctc	8040
tgacgtgctc	agtgaccag	tgggtccccc	tcagaccctg	agccagccac	ctgtgcactg	8100
aggccttgga	agccccagat	tcacctctg	tgtactcagc	actccgggag	ctgggtggga	8160
ggtggggcag	gagggcgcca	cgagtcttta	ggccccatca	gcagagtaca	agttacgggt	8220
agtccccatg	gcggagtggc	tgtgccttga	accgggcaca	ccagattcgt	ctctgtgcag	8280
tgctggagtc	cccccgcta	ggggaggggg	ctggcggggg	aagggccggg	cagcaggggc	8340
acaggcaatg	atgcgggacc	ctccctgcag	gggtggtgaga	agctgcagga	tgcctactac	8400
atcttccagg	agatggctga	caagtgtctg	cccaccctgc	tgtgtctcaa	tgggcagggc	8460
gcctgccaca	tggcccaggg	ccgctgggag	gccgctgagg	gcctgctgca	ggaggcgcta	8520
gacaaggtag	gcacaagcct	gtcccagagt	ggggacggag	ggaaggccag	gcgggccagag	8580
ggtgggggtca	gggcgagacg	aaacaagtgt	agcagagacc	ccctgggtgt	gcgtgtggcc	8640
ccacagggct	tctaaggccc	agtcagcagc	gagatccaca	aagcagggat	ctcacctgca	8700
aagaaatcca	gattccggcc	tcacagaaat	ggggcatctg	ggcagcctgg	gcctcagtgg	8760
tctgagccgt	ccttgtttgc	acctcagctg	cctggccccg	gacctgcaag	tgggaccctt	8820
cacctgagta	catactcagt	attggagaga	cactccccgt	acttatgtag	gggagagtgt	8880
gctgtggaca	ggagctcttc	gttgagagag	cgctgcctgc	ccagggtggc	tgcagtcatc	8940
tcctgcctga	tgtctgcagt	cttttcttcc	ttccttccct	ccttcccttcc	ttccttccct	9000
ccttcccttcc	ttccttccct	cttttccctt	cttcccttcc	tccttccctt	ccttcccttcc	9060
ctttcccttcc	tttcccttcc	ttccttccct	tccttccctt	ccttcccttcc	cttctttttt	9120
tttttttttg	agatggagtc	tcactctgtc	accagagctg	cagtgcagtg	gtgtgatctc	9180
agctcaatgc	aacctccgcc	tcctgggttc	aagtgtatct	tttgcctcag	cctcccaagt	9240
agctgggatt	acaggcggtc	gccaccacgc	ctgggctaatt	tttgtatttt	tagtagagac	9300

gggggttttgc	catgtttggct	aggctgggtct	caaactcctg	acctcaggtg	atccaccgcg	9360
ctcagcctcc	caaagtgcctg	ggattatagg	cgtgagccac	cacgcctggc	catctgcagt	9420
ctttatgaag	agtttatgtt	atgttaaatt	aaaaatatat	atatattttg	taaagacggg	9480
gttggttcttg	ctgtgttgcc	caggttgggtc	tcgaactcct	ggcctcaagt	gatcgtecca	9540
cctcagcctc	ccaaagcatt	aggattatag	gtgtgagcca	ccatgcttgg	tggatttttt	9600
tttttttttt	ttttgagatg	gagtcttgct	ctgtcgccca	ggctggagtg	cagtgggtgtg	9660
atctcggctc	actgcaagct	ctgcctcctg	ggttcatgcc	attctcctgc	ctcagcctcc	9720
cgagtagctg	ggactacagg	cgcccaccac	catgcccagc	taattttttg	tatttttagt	9780
agagatgggg	ttttgctgtg	ttagccagga	tggtgtcaat	ctcctgacct	catgatgctg	9840
cccaccttgg	actcccaaag	tactggatta	caggcgtgag	ccactgtgcc	cagcctggat	9900
tattattttt	ataatcagaa	aggacatcaa	agctttttcc	attttgagga	aacgaatttt	9960
gggggggtttt	ttgtttgttt	tttgaaacgg	tatgccacca	tgcgtggcta	atttttgtat	10020
tttttgtag	aaatgggggtc	tactgtgtt	gtccagggtta	gtcttgaact	cctggggtca	10080
aacaattctc	accctccttg	gccttctaaa	gtgctgggat	gatagacatg	cgccagtgcg	10140
cccagctgag	aaacagtttt	aatctagtga	caaacactgg	tgaagccctc	ctccctgtct	10200
gactttccag	gggctgagtt	atcatcagaa	agttgtttgc	agagcggggc	tggccaaggg	10260
gtatcaggct	ggccccatca	caggccgggt	actgctcctc	ctgagcaggg	tccatcttta	10320
gctctgagca	gtcagggtca	gtcaggaact	cccagcctga	tgtgcaatct	cagacaggct	10380
gtgtgtccct	cgctgcccc	ggggcaagac	tggcgccctc	ctccaccacc	ctgccccctc	10440
ctgccacctg	agaacacttg	gatgcatgtt	gtgttcatgg	ccgcatcctc	tgggggcttt	10500
tgttacacct	ctcaggtgac	acgttccgtg	actcaccagt	tagatgactc	ccttctgtcc	10560
ttgtctcttg	aaacaccacc	tggggctggc	tggcctgccc	ccttggccct	ggtggcctcc	10620
ccgtggctgt	ggtcaccctg	cattcttgct	gggttttggg	aggcactcag	gtccccccac	10680
ttcccttttg	agccacctca	tggctgctcc	tgtgagcgca	agctggtgtc	ccccttcagt	10740
gtggagactg	aggctcagaa	aagtccgggtc	tgcataaagg	tgccctgcca	tgggcccgcg	10800
tgggcagggtc	gggctctggg	cgcatacctg	ttgggtgtgtc	tgtgctccaa	gcagacacca	10860
gggctctggc	tgggtctcct	ggcctagatg	tttcttaggg	tcctgtgtgc	tgggagccta	10920
gagtgagtga	gtcaggcaag	gtccccctgcc	gaggtctcct	tcaaggctcc	ttgggagctg	10980
gtgcagggggt	ggcagggtctg	cccatggcct	cgggggttcgt	tgtacagcag	gagttgaggc	11040
catctgggtc	tgggccccat	ggctttgaga	tgtgtgggac	aaatacaacc	ttcccaagtc	11100
tctgtaaaca	aggggtcgta	cccaggctg	gactacagat	ggggaaactg	aggctcagcg	11160
aggcggctgg	ccccttggca	ccgtatcatc	tgagatctcc	accttgacga	gcgggtgggcg	11220
gtgtcagtc	cacccacct	ctgaggaggt	gacctgtgt	ggtgctgcct	gaggtggggg	11280
tgacgggcag	gcatgggggc	tggagtggct	gaccctgcct	ccccgtgtct	gcctgtgtct	11340
ccaggatagt	ggctacccag	agacgctggg	caacctcatc	gtcctgtccc	agcacctggg	11400
caagccccct	gaggtaaagc	gccccagggt	ctccaggcca	accctaattg	ccagaccctg	11460
ggacccccagc	ctgggggtcca	ggccctaata	cctaggcccc	tgggaaaact	ctgtatacag	11520
tatgcctacc	gcagcccacc	tccttcacaa	accctgtgcc	ccccaaacca	tcctcacctg	11580
gggcccctgcc	cgacctgtct	ccctgaacac	cacaatacat	ccccaccat	gtacggaggc	11640
cagctccatg	ccagcgctc	tccagggggc	aggcccatcc	ctccaccccc	accctgaagg	11700
ttctccgaga	tcagcccagt	cccaaggcag	ggtgaggagc	cccctggggg	actgtgggtc	11760
tcaccccaat	ccacccctgt	ccagcaggtc	agagccaccg	tgggggtccc	gtgttcggct	11820
cacctgcctc	cctgcctccc	ctgcagggtga	caaaccgata	cctgtcccag	ctgaaggatg	11880
cccacagggtc	ccatcccttc	atcaaggagt	accaggccaa	ggtgagtggg	ggggatggcc	11940
tgtccccgag	aaccaggcca	gggggcgcct	ggagctcagc	ctggggtcac	atgcgcctc	12000
tctctctccc	tccacctgtc	tccccacacc	ctgcccccac	cctgtgttgc	catgtgtctt	12060
gctaaaggag	aacgactttg	acaggctggg	gctacagtac	gctcccagcg	cctgaggctg	12120
gccagagct	gtcaggacca	tgaagccagg	acagaggcca	ggagccagcc	ctgcagccct	12180
cccaccccg	catccacctg	catccctct	gggggcagga	gcccaccccc	agcaccacca	12240
tctgttaata	aatatctcaa	ctccagggtg	ttccacctga			12280

<210> 12636

<211> 109

<212> DNA

<213> Homo sapiens

<400> 12636

ggcaggagaa tggcgtaacc caggaggcgg aacttgcagt gagccgagat cagccactg  
cactccagcc tgggcaacag agtgagactc cacctcaaaa aaaaaaaaaa

60  
109

<210> 12637  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 12637  
 tttggccggg cgcggtggct caccgcctgta atcccagcac tttgggaggc agaggcgggc 60  
 ggatcatgag gtcaggagat cgagaccatc ctggctaaca cagtgaacc ccgcctctac 120  
 taaaaataca aaaaattagc cgggcggtgg ggcggggcgc tgtagtccca gctactcggg 180  
 aggctgaggc gggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatcg 240  
 cgccactgca ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaagaaa 300  
 aaaaaaaaaa agagcacia 319

<210> 12638  
 <211> 1052  
 <212> DNA  
 <213> Homo sapiens

<400> 12638  
 tcacgcctgt aatcccagca ctttgggagg ccgaggcagg tggatcacga ggtaaggaga 60  
 tcgagaccat cctgggtaac acggtgaaac cccgtctcta ctaaaaatac aaaaaattag 120  
 ccgggcatgg tggcaggcgc ctgtgtgtccc agttaccagc gaggctgagg caggagaatg 180  
 gcgatgaacc gggaggcgga gcttgcagtg agccgagatc gagccactgc actccagcct 240  
 gggcaacaga gctagactcc gtctcaaaaa aaaaaaaaaa ttattgttta tatttgagat 300  
 gagaattctt gatacatctt ttggtatatt aaaaagttag ataaattgtt tgtgctttaa 360  
 catgtaaat gcatcgtaga ttcataaaat tcactcttga tttatttcta gcacagtact 420  
 ttctattgaa agcagtttac tatcaagaaa atctatcaaa ggggatggaa tcccattctt 480  
 cattttcatg aattgtttta aaaagtgttc ttctggccag ggtcgggtgg tcacacctgt 540  
 aatcccagca ctttgggagg tcgaggtggg tggatcacga ggtcaggaga tcgagaccat 600  
 cctggccaac atggtgaaac ctgctctctg ctaaaaatac aaaaatttgc tgggtgtgac 660  
 cgcacgtgac tgtaatccca gctactcggg aggtcaggc aggagaatcg cttgaacctg 720  
 ggaggcggag gctgcagtga accaagatcg tgccgtgca ctccagcctg gcaacagagc 780  
 cagactccgt ctggaaaaaa aaacaaaaca aaaaacaatg ccgggcgcgg tggctcacgc 840  
 ctgtaatccc agcacttttg gaggccgagg caggcggatc acgaggtcag gagatcgaga 900  
 ccactcctgg taacacggtg aaaccctgtc tctactaaaa atacaaaaaa ttagccgggc 960  
 gtggtggcag gcgcctgtag tcccagctac tcgggaggct gaggcaggag aatggcatga 1020  
 acccgggagg cggaacttgc agtgagccga ga 1052

<210> 12639  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 12639  
 agcgcggtgg ctcacgcttg taatcccagc actttgggag gccaaaggcg gaggatcatg 60  
 aggtcaggag atccggacca tcctggctaa catggtgaaa cccgtctct actaaaaata 120  
 caaaaaaatt agccaggcgt ggtgggtggc gcctgtagtc ccagctactc gggaggctga 180  
 ggcaggagaa tggcgtgaac ccgggaggcg gagcttgca tgagccgaga tcgcgcact 240  
 gcaactccagc ctgggcgaca gagcaagact ccgtctcaaa aaaaaaaaaa aagtgcaaac 300

<210> 12640  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 12640  
 cgtggtggcg ggcgcctgta gtcccagcta ctccggaggc tgaggcagga gaatggcgtg 60

aacctgggag	gcggagcttg	cagtgcgcgc	agatcgcgcc	actgcactcc	agcctgggag	120
acagagcgag	agtcctgtct	aaaaaaaaa	aaaaaaaaa	aaagaaaaa	gaacaaacaa	180
cagc						184

<210> 12641  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 12641						
ggtcccagct	actcgggagg	cttaggcagg	agaatggcgt	gaacccagga	ggtggagctt	60
gcagtgcgc	gagatcgcg	cactgcactc	cagcctgggc	gacagagcga	gactccatct	120
caaaaaaaaa	aaaaaaaaa	aattgtg				147

<210> 12642  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 12642						
gtagtcccag	ctactgggga	ggctgaggca	ggagaatggc	gtgaacctgg	gaggcggagc	60
ttgcagtgc	ccgagatcg	gccactgcac	tccagcctgg	gcgacagagc	gagactccgt	120
ctcaaaaaa	aaaaaaagaa	atg				143

<210> 12643  
 <211> 1791  
 <212> DNA  
 <213> Homo sapiens

<400> 12643						
ctgagagggc	catggagaat	ctgtggccag	ccctccctgg	ccccctgacc	tggcagagga	60
aggaaagggc	attggagtag	gcttctgtct	tcaggccaga	gggggagggt	gttcaggggc	120
aggcttggtg	caccccttgg	ctgcaagcta	tcacctccct	atctgcttcc	tcttttctgc	180
ctcccttggt	gcatctggtc	acttcttgct	gcccttctctg	tgaaatcgtg	gcaccttgga	240
ccaagtctctg	aagcacttgg	gcagaaggcg	ggagagggtg	ggtttctagg	atccttggtt	300
cccagggcct	ggctctggcc	tgggctcaga	ccactctggg	ctaggcaggc	tgctggggaa	360
aggctggagc	tgcttctgct	ttctgctcct	gttgccacct	ctgctaata	tggggaaaac	420
ctgcagaggg	ctgtggttgg	agctgggctg	aaggccggca	ggggtgggtc	tctccatggc	480
agtagcacac	aggcaggcag	gaagtggccc	tgtgcaaaa	cgggaagtgg	cagttgtcaa	540
acaggaaggg	gggggctggg	ctgtgggagg	ggcggggatg	agcctggtag	aaaggtgcgt	600
ggaggagggt	ccaccttgga	aggtctgagc	ctctccctag	tggttactgg	aaggaggggt	660
gtctcaaggg	gagacacctt	tgcagcacct	tgagatgccg	agccaggggc	ctccactgtg	720
ggaccaagcc	cattcagtgg	cctcgccctt	tttgggggtg	gagatgctgc	gtccagctgg	780
gatgcccttg	cttttgggaa	agatgctcta	gaaaccacta	ctccatcctg	gaacccctct	840
gctgccactg	ctgctgggat	ggaccctctg	cttttttgca	gccgtggggc	agccctggat	900
gtgactacag	gacaggaagt	gtcaggggaa	gagacaggag	acaacagctg	gagaggctgg	960
gtgggtggccg	ggcagtatgt	ggcagcagga	acggggagag	cggggcagg	agaaactgct	1020
ctgttcattg	aggagagctt	gtggatggca	gggtgccacg	gctgagagga	agaggagggg	1080
agcggacagt	ggcacttctt	gcggcggttc	ctctctctctg	aggagccctt	gttgctgccc	1140
atcacctgca	gactgtagac	acaggtgggc	cccgccaaaa	caggagggga	cactccacct	1200
ccaggactgc	aatggaggac	catgtgggga	gccagaagc	caggcaggag	ggcttagttg	1260
ctgtgttgca	gaccctgcat	ctgcctgggc	tgaggggaca	gtgggtccca	ttcacagtgt	1320
ctctggtgat	agctgtggcc	acaagcccag	cccaggagac	cctgtcaagc	ttctcactgg	1380
gcccttgga	aggagctata	tgccagacct	tatgcaaaac	tcttgacctg	taccacctca	1440
gttaaacctc	agatcttgct	gtctctatct	tagaagtgcg	gaacctcttg	gccgggtgcc	1500
gtggctcacg	cctgtaatcc	cagcactttg	ggaggccgag	gcaggaggat	cataaggtca	1560
ggagatcgag	accatcctgg	ctaacacagt	gaaacccctg	ctctactgaa	aaatacaaaa	1620
aaattagccg	ggcatggtga	tgggcgctg	cagtcaccag	tactcgggag	gctgaggcag	1680

gagaagggcg tgaacctggg aggcggagct tgcagtgagc cgagatcatg ccactgcact 1740  
ccagcctggg caacagagta agactccatc tcaaaaaaaaa gcaaaaaaaaa c 1791

<210> 12644  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 12644  
tggcgtgaac ctgggaggca gagcttgagc tgagctgaga ttgcgccact gcactccagc 60  
ctgggcaaca gagtgcagct ccattcttaa aaaaaaaaaa aaaatata 108

<210> 12645  
<211> 105  
<212> DNA  
<213> Homo sapiens

<400> 12645  
ctggaacctg ggaggcagag ttgagctgga gccgagatca ggccactgca ctccagcctg 60  
ggcaacagag caagactctg tctcaaaaaa aaaaaaaaaa aaaag 105

<210> 12646  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 12646  
agctacttgg gagcgtgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg 60  
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa 120  
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa 162

<210> 12647  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (98)  
<223> n equals a,t,g, or c

<400> 12647  
cggtggctca cgctgtaat cccagcactt ggggaggccg aggcggggcg atcacgaggt 60  
caggagatcg agaccatcct ggctaacacg gtgaaacncc gtctctacta aaaatataaa 120  
aaattagcca ggcgtggtgg tgggcgcctg tagtcccagc tactcaggag gctgaggcag 180  
gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcgtg ccactgcact 240  
ccagcctggg cgacagagtg agactccgtc tcaaaaaaaaa aaaaaaaaaa gttattcttc 300  
g 301

<210> 12648  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 12648  
aaaaattagc cgggcgtggt ggcggggcgc ttagtccca gctactcgag aggcgtgaggc 60

aggagaatgg	cgtgaacccg	ggaggcggag	cttgagtgga	gccgagatcg	cgccactgca	120
ctccagcctg	ggcgacagag	cgagactccg	tctcaaaaaa	aaaaaaaaaa	aaaaaaaaaga	180
tcagaaaaaa	ata					193

<210> 12649  
 <211> 1791  
 <212> DNA  
 <213> Homo sapiens

<400> 12649						
ctgagagggc	catggagaat	ctgtggccag	ccctccctgg	ccccctgacc	tggcagagga	60
aggaaagggc	attggagtag	gcttctgtct	tcaggccaga	gggggaggtg	gttcaggggc	120
aggcttggtg	cacccttgg	ctgcaageta	tcacctccct	atctgcttcc	tcttttctgc	180
ctcccctgg	gcatctgggc	acttcttgg	gcccttccct	tgaaatcgtg	gcaccttgg	240
ccaagtcctg	aagcacttgg	gcagaaggcg	ggagaggttg	ggtttctagg	atccttggtt	300
cccagggcct	ggctctggcc	tgggctcaga	ccactctggt	ctaggcaggc	tgctggggaa	360
aggctggagc	tgcttctgct	ttctgctcct	gttgccacct	ctgctaata	tggggaaaac	420
ctgcagaggg	ctgtgggttg	agctgggctg	aaggccggca	ggggtgggtc	tctccatggc	480
agtagcacac	aggcaggcag	gaagtggccc	tgtgcaaaag	cgggaagtgg	cagttgtcaa	540
acaggaaggg	gggggctggg	ctgtgggagg	ggcggggatg	agcctggtag	aaagggtcgt	600
ggaggagggg	ccaccttgg	aggctctgag	ctctccctag	tggttactgg	aaggaggggt	660
gtctcaaggg	gagacacctt	tgcagcacct	tgagatgccg	agccaggggc	ctcccactgt	720
ggaccaagcc	cattcagtgg	cctcgccctt	tttggggttg	gagatgctgc	gtccagctgg	780
gatgcccttg	cttttgggaa	agatgctcta	gaaaccacta	ctccatcctg	gaaccctctt	840
gctgccactg	ctgctgggat	ggaccctctg	cttttttgca	gccgtggggc	agccctggat	900
gtgactacag	gacaggaagt	gtcaggggaa	gagacaggag	acaacagctg	gagaggctgg	960
gtgggtggccg	ggcagtatgt	ggcagcagga	acggggagag	cggggcaggt	agaaaactgt	1020
ctgttcattg	aggagagctt	gtggatggca	gggtgccacg	gctgcgagga	agaggaggga	1080
agcggacagt	ggcacttcct	gcggcggttc	cctctctctg	aggagcccct	gttgctgcc	1140
atcacctgca	gactgtagac	acaggtgggc	cccgcacaaa	caggagggga	cactccacct	1200
ccaggactgc	aatggaggac	catgtgggga	gccagaagc	caggcaggag	ggcttagttg	1260
ctgtgttgca	gaccctgcat	ctgcctgggc	tgaggggaca	gtgggtccca	ttcacagtgt	1320
ctctggtgat	agctgtggcc	acaagcccag	cccaggagac	cctgtcaagc	ttctcactgg	1380
gcccttgga	aggagctata	tgccagacct	tggcaaaaac	tcttgacctg	taccacctca	1440
gttaaaccctc	agatcttgct	gtctctattt	tagaagttag	gaacctcttg	gccgggtgcc	1500
gtggctcacg	cctgtaatcc	cagcactttg	ggaggccgag	gcaggaggat	cataaggtca	1560
ggagatcgag	accatcctgg	ctaacacagt	gaaaccccgt	ctctactgaa	aaatacaaaa	1620
aaattagccg	ggcatggtga	tgggcgcctg	cagtcaccag	tactcgggag	gctgaggcag	1680
gagaagggcg	tgaacctggg	aggcggagct	tgcagttagc	cgagatcatg	ccactgcact	1740
ccagcctggg	caacagagta	agactccatc	tcaaaaaaaa	gcaaaaaaaa	c	1791

<210> 12650  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 12650						
tggtcacacc	tgtaatccca	gcactttggg	aagccaaggc	aggcggatca	tgaggctcagg	60
agatcgagac	catcctggct	aacacgggtga	aaccccgctt	ctactaaaaa	atacaaaaaa	120
ttagccgggc	atggtgggtg	gtgcctgtag	tcccagctac	ttgggagggt	gaggcaggag	180
aatggcgtga	acctgggagg	cggagcttgc	agttagccaa	gatcatgcca	ctgcactcca	240
gcccgagcga	cagagcaaga	ctccgtctca	aaaaaaataa	gaaaa		285

<210> 12651  
 <211> 98  
 <212> DNA  
 <213> Homo sapiens





<210> 12657  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 12657  
ggcgcctgta gtcccagcta ctcgggaggg tgaggcagga gaatggcgtg aaccggggag 60  
gcggagcttg cagtgcgctg agatcgcgcc actgcactcc agcctgggag acagagcgag 120  
actctgtctc aaaaaaaaaa aagaattggc 150

<210> 12658  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 12658  
atttgggagg ccgaggcggg cggatcacia gggtcaggaga tcgagaccat cctgggctaac 60  
acggtgaaac cccgtctcta ctaaaaatac aaaaaaatta cccgggagtg gtgggtgggag 120  
cctgtgggtc cagctactcg ggaggctgag gcaggagaat ggtgtgaacc cgggagggcgg 180  
agcttgcatg gagccgagat cgcaccactg cactccagcc tgggagcgag agcgagactc 240  
catctcaaaa aaaaagaaat aagaaa 266

<210> 12659  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 12659  
cccagctact caggaggctg aggcaggaga atggcgtgaa cccgggaggg ggagcttgca 60  
gtgagccgag atccccccac tgcactccag cctgggagcg agagcgagac tccgtctcaa 120  
aaaaaaaaaa aaaaaaatg ga 142

<210> 12660  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 12660  
ggcgtgcgcc tgtagtccca gctactcggg aggctgaggc aggagaatgg cgtgaacccg 60  
ggaggcggag cttgcagtga gccgagatcg tgccactgca ctccagcctg ggtgacagag 120  
caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggag 166

<210> 12661  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 12661  
cgcccggaatt ctgccctccg ctaacgagct atagctttgt ggaaatgggc gagtggcgtg 60  
cccttggtgag cctcagggcc gcatctgtaa aatgggcata actgtcatgc ctgtctttaa 120  
gaacagcctt gggggtaaat gagtgggaact catggaaaga tctcagccca caaccttcca 180  
cagaacaggc gcttctcaca cagtaagtag caggagtgca gaggctgcag gcatgaatcc 240  
agccagactg cctgggttca agtcccag 268

<210> 12662  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 12662	
gcctgcctgc ctctgtagac tccacctctg ggggcagggc atagccaaac aaaaggcagc	60
agaaacctct gcagacttaa atgtccctgt ctgacagctt tgaagagagt agtgggttctc	120
ccagcatgca gctggagatt tgagaacgga cagactgcct	160

<210> 12663  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 12663	
ggcatgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt	60
gacaaatggg atctaattaa actaaagagc ttctgcacag caaaagagtc taccatcaga	120
gtgaacaggc aacctataca atgggagaaa aattttgcaa tctactcatc tgacaaaggg	180
ctaatatcca gaatctacag tgaactcaaa caaatttaca agaaaaaac aaacaacccc	240
atcaaaaagt gggcaaagta tatgaacaga cacttctcaa agaagacat ttatgcagct	300
aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc	360
acaatgag	368

<210> 12664  
 <211> 4704  
 <212> DNA  
 <213> Homo sapiens

<400> 12664	
tattattata ctttaagttt cagggtacat gtgcacaatg tgcaggtttg ttacacatgt	60
atacatgtgc catgttggtg tgctgcaccc atcaactcgt catttagcat tagatatatc	120
tcctaagtct atccctcccc actcccccta cccacaaca gtccccggtg tgtgatgttc	180
cccttcctgt gtccatgtgt tctcattggt caatttctcat ctatgagtga gaacatgtgc	240
tgtttggttt tttgtccttg caatagtttg ctgagaatga tggtttccag cttcatccat	300
gtccctacaa aggacatgaa ctcatccttt tttatggctg catagtattc catggtgtat	360
atgtgccaca ttttcttaat ccagtcctatc attgttggac atttcgggtg gttccaagtc	420
tctgctattg tgaatagtgc cgcaataaac atacatgtgc atgtgtcttt atagcagcat	480
gatttacaaat cctttgggta tatacccagt aatgggatgg ctgggtcaaa tggattttct	540
agttctagat ccctgaggaa tcgccacacc gacttccaca atggttgaac tagtttacag	600
tcccaccaac agtgtaaaag tgttcctatt tctccacatc ctctcagcac ctgttgtttc	660
ctgacttttt aatgatctcc attctaactg ttgtgagatg gtatctcatt gtggttttga	720
tttgcatttc tgatgatggc cagtgatgat gagcattttt tcatgtgttt tttggctgca	780
taaatgtctt cttctgagaa gtatctgttc atatcctttg cccacttttt gatgggggtg	840
tttgtttttt tcttgtaaatt ttgtttgagt tcattgtaga ttctggatat tagccctttg	900
tcagatgagt aggttgcaaa aactttctcc cattctgtag gttgcctgtt cactctgatg	960
gtgggtttctt ttgctgtgca gaagctcttc agtttaatta gatcccatat gtcaattttg	1020
gcttttggtt ccattgcttt tgggtgtttta gacatgaagt tcttaccat gcctatgtcc	1080
tgaatgggat tgcctaggtt ttcttctaggt gtttttatgg ttttaggtct aacatgtaag	1140
tctttaatcc atcttgaatt aatttttgta taaggtgtaa ggaagggatc cagtttcagc	1200
tttctacata tggctagcag gttttcccag caccatttat taaataggga atcctttccc	1260
cattgcttgt tttgtcagg tttgtcaaa atcagatagt ttagatatg tgacattatt	1320
tctgagggct ctgttctgtt ccattggtct atatctctgt tttggtacca gtaccatgct	1380
gttttggtta ccatagcctt gtagtatagt ttgaagtcag gtagtgtgat gcctccagct	1440
ttgttctttt ggcttaggat tgacttggca atgtgggctc ttttttggtt ccatatgaac	1500
tttaaagtag ttttttccaa ttctgtgaag aaagtcattg gtagcttgat gggaatggca	1560
ctgaatcttt aaatgacctt gggcagtatg gccattttca cgatattgat tcttcttacc	1620
catgagcatg gaatgttctt ccatttgttt gtatcccttt ttatttcatt gagcagtggg	1680
ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc taggtatttt	1740

attctctttg	aagcaattgt	gaatgggagt	tcactcatga	tttggctctc	tgtttgtctg	1800
ttattggtgt	ataagaatgc	ttgtgatttt	tgacacattga	ttttgtatcc	tgagactttg	1860
ctgaagtgtc	ttatcagctt	aaggagattt	tgggctgaga	tgatgggggt	ttctagatat	1920
acaatcatgt	catctgcaaa	cagggacaat	ttgacttctt	cttttcgtaa	ttgaatgccc	1980
tttatttcct	tctcctgctt	gattgcccctg	gccagaactt	ccacactatg	ttgaatagga	2040
gtgggtgagag	agggcatccc	tgtcttgtgc	cagttttcaa	agggaaatgct	tccagttttt	2100
gcccattcag	tatgatattg	gctgtggggt	tgatcatagct	agctcttatt	attttgagat	2160
acatcacatc	aataccta	ttattgagag	tttttagcat	gaagcattgt	tgaattttgt	2220
caaaggcttt	ttctgcatcc	attgagataa	tcattgtggt	tttgtctttg	gttctgttta	2280
tatgctggat	tacgtttatt	gatttttcgta	tggtgaacca	gccttgcatc	ccagggagga	2340
agcccactag	atcatgggtg	ataaactttt	tgatgtgctg	ctgtatttgg	tttgccagta	2400
ttttattgag	gattttttgca	tcaatgttca	tcaaggatat	tggtctaaaa	ttctcttttt	2460
tggttgtgtc	tctgccaggc	tttgggtatca	ggatgattct	ggccacataa	aatgagttag	2520
ggaggattcc	ctctttttct	attgattgga	atagtttcag	aaggaatggg	accagctcct	2580
ccttgtacct	ctggtagaat	tcggctgtga	atccatctgt	tcctggactt	tttttgggtg	2640
gtaagctatt	gattatttcc	tcaatttcag	tgccgtgtat	tggtatattc	agagattcaa	2700
cttcttctctg	gttttagtctt	gggaggatgt	atgtgtcaag	gaatttatcc	atttcttcta	2760
gattttgtag	tttatttgca	tagagggtgt	tatagtattc	tctgatggta	gtttgtattt	2820
ctgtgggata	gggtgtgata	tcccccttat	cattttttat	tgctgtctatt	tgattcttct	2880
ctcttttctt	ctttattagt	cttgcctgtc	atcaattttg	ttgatctttt	caaaaaacca	2940
gctcctgaat	tcattaattt	tttgaagggt	tttttgtgtc	tctatttctt	tcagttcttc	3000
tctgatctta	gttatttctt	gccttctgct	agcttttgaa	tgtgtttgct	cttgcctctc	3060
tagttctttt	aattgtgatg	ttaggggtgc	aatttttagat	ctttcctgct	ttctcttttg	3120
ggcatttagt	gctataaatt	tccctctaca	cactgctttg	aatgtgtccc	agagattctg	3180
gtatgttgtc	tttgtttctc	ttgggtttcaa	agaacacctt	tatttctgcc	ttcatttctg	3240
tatgtaccac	gcagtcattc	aggagcaggt	tgctcagttt	ccatgtagtt	gagtggtttt	3300
gagtgagttt	cttaatcctg	agttctagtt	tgattgcact	gtgggtctgag	agacagtttg	3360
ttataatttc	tgttctttga	catttgcctg	ggagtgcctt	acttccaact	atgtcaattt	3420
tggaataggt	gtgggtgtgg	gctgaaaaga	atgtatattc	tggtgatttg	gggtggagag	3480
ttctgtagat	gtctattagt	tccgcttggg	ttagagctga	gttcaattcc	tggttatcct	3540
tggttaactt	ctgtcttgtt	gatctgtcta	atgttgacag	tggggtgtta	aagtctctga	3600
ttattattgt	gtaggagtct	aagtctcttt	gtagttcact	aaggacttgc	tttatgaatc	3660
tgggtgctcc	tgatttgggt	gcatatatat	ttaggacagt	ttgcttttct	tggtgaattg	3720
atccctttac	cattatgtaa	tggccttctt	tgtctctttt	gatctttgtt	ggtttaaagt	3780
ctgtttttac	agagactagg	attgcaatcc	ctgccttttt	ctgttttcca	tttgccttgg	3840
agatcttctc	ccatcccttt	attttgagcc	tatgtgtgtg	tctgcacgtg	agatgggttt	3900
cctgaataca	gcacactgat	gggtcttgac	tctttatcca	atttgccagt	ctgtgtcttt	3960
taattggagc	atttagccta	tttacattca	aagttagtat	tggttatatg	gaatttgatc	4020
ctgtcattat	tatgtcagtt	ggttattttg	ctcattagtt	gatgcagttt	cttcctagcc	4080
tcgatgggtc	ttacaatttg	gcatgttttt	gcagtggtctg	gtactgggtg	ttcctttcca	4140
tgtttagtgc	ttcttctctc	aggagctctt	ttaggacagg	cctgggtggg	acaaaatctc	4200
tcagcatttg	cttgtctgta	aagtattttt	tttctccttc	acttatgaag	cttagtttgg	4260
ctggatatga	aattctgggt	tgaaaattct	tttctttaag	aatgttgaat	attgcccccc	4320
actctcttct	ggcttgtaga	gtttctgcca	agagatcagc	tgttagtctg	atgtgcttcc	4380
cttttgtggg	aacccgacct	ttctctctgg	ctgcccttaa	catttttttc	ttcatttcaa	4440
ctttgggtgaa	tctggcaatt	atgtgtcttg	gagttgctct	tctcgaggat	tatctctgtg	4500
gtgttctctg	tatttctctga	atttgaatgt	tggcctgcct	tgctagattg	gggaagttct	4560
cctggataat	atcctgcaga	gtgttttcca	acttgggtcc	attctccccg	tcactttcag	4620
gtacacacaaa	cagacgtagg	tttgggtctt	tcacatagtc	ccatatttct	tggaggcctt	4680
gtttcttttt	attctttttt	ctct				4704

<210> 12665

<211> 144

<212> DNA

<213> Homo sapiens

<400> 12665

caggcacata	ccaccacgcc	tggctaattt	ttgtattttt	agtagagaca	gggtttccac	60
atgttggcca	ggctgatctt	gaactcctga	cctcaggtga	tccaccgcgc	taggcctccc	120
aaagtgctgg	gattacaggg	gtga				144

<210> 12666  
<211> 1419  
<212> DNA  
<213> Homo sapiens

<400> 12666  
cagggtttca ccatgttggc caggctgggc ttgaactact gacctcaggt gatccacccg 60  
cctcagtctc ccaaagtgct gggattacag gcgtgagcca acacgcctgg ctgctgaata 120  
ttattttatt gtgtagagta atgtattcat tcgttgggtg ataaggcatt tgggttattt 180  
tcaccttttg gctgttggtc cagataatgc tgctatgagc atatttgtac aggtttttgt 240  
gtggaaatat gtttttggtt ctcttcggta tataggaaaa gaattacaga atcaactctg 300  
tgcttaacca tttgaagaac tgggttttctt ttccaaaatg gctgcaccat ttacagccct 360  
gccagcaggt tataaaagtt ccagcttctc tgcacccctg gcaacatttg ttattatttt 420  
tttattatag ccactcaggt ggggtctgaag tattttgtcg tgttttttat ttgtgtttcc 480  
ttgttactga tatcgttcag catatttcca tgtgcttatt gctcatatgc atatgttctt 540  
tggagaactg tctgagattc tttgctcatt tttaactggg ttatttctct ttttattggt 600  
gaattttcaat ggttctttat atattccaga tacaagtcct tatcagttac atgatttaca 660  
aaaattttct accattccca ttctttagt tgtcttttca ctttcttgat ggtgcccttt 720  
gaagcacaac atttgtgtgt gtgtgtgtgt gtatttttag tagagatggg gttttgccat 780  
gttggtcggg cgggtcttaa actcctgac tcagggtgac caccacacct gccggtgaac 840  
caccacagca cccggcccg ttttggtttt tttgtttgtt tgttttttga gccagagtat 900  
tgctctgttg ccctggctgg agtgccgtag tgccatcttg gttcacggca acatctggct 960  
cccgggttca agtgattctt ctgcctcagc ctcccagta gctgggatta caggtaacaca 1020  
ccaccacacc ctgctaattt ttatatattt ggtagagaca gagttttgcc atgttcctca 1080  
ggctgggtct aaactcctga attcaagtga tccacccgcc tcagcctccc aaagtgctgg 1140  
gattacaggc gtgagccacc actcccggcc agaagcacaa tttttaattt ttatgatgtt 1200  
cagtttatat ttgtttttcc ctttgttgct tgtatttttg tgtgtcttaa tatgtcttct 1260  
aagtctgttt taatggatgg attctcccct tcctgcctct catttatctg ttgaagaatt 1320  
ttgcctattt gacctgtaga gtttcctatg gtctggattt ttctaattat gttcccatgg 1380  
tacagttcag cttctctctg tctctgtatt tcctgcaaa 1419

<210> 12667  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 12667  
tttttttttt gtttttagta gagatggggt ttcaccatgt tggccaggct ggtctagaac 60  
tcctgacctc aggtgatcca cccgctcag cctcccaaag tgctgggatt acaggtgtga 120  
gc 122

<210> 12668  
<211> 131  
<212> DNA  
<213> Homo sapiens

<400> 12668  
tttttttttt gagacggagt ctactctgt cgccaggct ggagtgcagt ggcgcaatct 60  
cggtcactg caagctccgc ctctgggtt catgccattc tcctgctca gctcccgag 120  
tagctggaac t 131

<210> 12669  
<211> 426  
<212> DNA  
<213> Homo sapiens

<400> 12669  
cctcagcctc cccaagtatt gggattgcag gtgtgagcca ggacgcctac ccgcaaacag 60  
aaactcttta cccattaaac aataactctg tagtattcct tccttcctgc ccctggtaac 120  
cactatagta ctttctgtct aatatgaatt tgctgttcg aggtgcctca tataggtgga 180  
attgcatatt tgtgcctggc atatttcatt tagcacattt tttcaaggct catccatata 240  
gcacgtatca gtacttcatt tcttttagtt gctgaatatt attattatta ttatTTTTga 300  
gacagagtct cactctgtct cttaggctag agtgcagtag catgatctcg gctcactgca 360  
acctccgcct cccgggttca agcgattctt gtgtctcagc tccccgagta gctgagatta 420  
caggcg 426

<210> 12670  
<211> 2173  
<212> DNA  
<213> Homo sapiens

<400> 12670  
tagcattcag taaatttcac aacacctttc tgccctccctc ttccctctcc cctctccctc 60  
tctccccacc tcacccacc tcacccctc cctcttcctt cctcttttcc ttccctcctc 120  
ctttcttttt taccctctcc tgcccttgac ccggtacctt taccacttgg attatttaca 180  
gcaaattctta cagatgtcag tattgtcttg ttctgaagct aaaaaggaca atgagttccc 240  
gctgacctcg gtacaatgga tctcgctgga gcacaatatg tattttatac aggcaagtga 300  
aagcctacaa gtaattgaga gagagagaaa tgctactgta gcatttctgt tgacactgca 360  
ctctgcgtgt ggaggggaagc cccggggcctg gcggcagagg agcagccgca gccgcgctgt 420  
gcacccagga acctgtcctt caggaaggag gcggcggtag aaattaatct gctcagattt 480  
tccaactaat gaagtattcc caggaccgaa ggggccacac agagacgtct gcggcgctgc 540  
ttcccatctg cgcagatgca caccgattcc gggcccagcg ctaactcgga tgtgttttcc 600  
agctccggtt attgtcttcc ataattgctta acgtactgtt tgtatatgtt gtccttgcac 660  
tatattttga tatgtctca tatattttat tcatctctgg ctttctacga aggcaagctc 720  
gcagcaacac tgagaataat tattctccgc catcaatcaa gactctccgt ggttggctcc 780  
tcatgggatg gccttgattt taagcatgaa atgtaactct tgctctttgg ggccatttca 840  
ttctttgttc ctggggcctg cctgtgggct cgctgggaca ctagagagca ggcatccccg 900  
tgggccgcggg agagccgcgt tcctggctgg ccattccccg gccctctaga agggagcggc 960  
tgagagctct ttagccctac ttggggttta aaagtgaata aggagcagct cttcctggtg 1020  
gaaattgcga gcagaggctg cgtgagttcc gtaactcgca cacagcctcc atttggagcc 1080  
agaatgagca cgtgaggac cccgggcaga ggggccagtg ctgacattat gctccatgca 1140  
acctcccatc ctgttgtggg agatgggtgca gaccagggga gggagtcagt gtgtgagggg 1200  
atgaggctcc agtcccttcc tgggcaccaa agccaaatcc cccctgagca caaggatctt 1260  
ccctgggtga ctgcagaagc aaggagacct ggcccaccgt ccctgctggc ttcctactgc 1320  
ccagccgcgt ctctgcctcc ctaccccaaa gcctgcagct cctaagtga ctatttgggc 1380  
tgtcttgttt gcagcggatg tttgaaagac agaccctctt ctctagtgtt ggccttgagt 1440  
cctcagagag ctgctgtttc ctgggtttct agctccatgg aggcagaaag agacccagg 1500  
gtggcctttg gaggaagatg agccccctgg gttaaccgag cttctgcagt ggtgctcctg 1560  
ggtcatcact gttgccactg gtcagagcca gactgtgtct gcctgtgctc tctgaacac 1620  
agtggagcta tttccaagtt caggtgaagg ggacatggag gttaagcaag gccagaaaga 1680  
cagagacgtc ctcttccctt ggtagcaggt atttagcaga tgggaaaata ttagcagatg 1740  
ggaaatcagc agatacactc agctcaagat gcaaatttaa aagccgccag cccctgtact 1800  
aaatattttac actgaacatc tctactccat catccgtctt ttatttttgt gagcccgtag 1860  
aactgctctt attacaaagt catgtaaaag ttgaggaaaag aaaatttcac ccttggaac 1920  
aaattcatga tgaattaaat ttcagcatga aaatagaaaa aaaaaattca aatttctgtt 1980  
gacttttggg cttatgtcct gaaagagtta acatacattc ttccatacat aacttattca 2040  
cgtaaatata atggtacacc cccaaaactt gtttccttaa gctgatattg aaacttccat 2100  
tattgaacag tttttaaaaa tgcaattcta atcccttttt aagtttcaat accaaaaaaa 2160  
aaaaaaaaa aaa 2173

<210> 12671  
<211> 3291  
<212> DNA  
<213> Homo sapiens

<400> 12671

atcgatatttt	aaacttgagt	tcagacttag	accttatgag	ttgaagggtga	tttctgacct	60
tactgagttt	ttctgttatc	agacctataa	tttgtttaca	ctatactctt	ctgatattat	120
tagtagtagc	caagattttc	ttcactcttt	tcttggaana	ttggatagaa	ctgttaagggt	180
acagccttct	gggttcttac	tgtccttgaa	tcttttcatt	tcttctctcc	tccctttctt	240
gttgacacact	aatgaagatg	gacatgaaat	ggacgtgaaa	cattaggcaa	ggcaaggcct	300
gacagatttg	gctggtaaac	aactagtcaa	ctttttgaat	ttagacagtt	attaattact	360
taggcagaga	aaaaagtagt	ccaagggtgcc	atttctctgt	gccccttgct	tcacacttga	420
aaagagtgc	accgaaataa	aaggggctag	ctaacgattg	tcccttgaat	ggtggacacc	480
ctgttgctga	ggaatcattg	ttatactgca	gctaagcctg	tttagtctgc	aaatgtaccc	540
tacaagggtg	aggaagaaag	gtctcatggt	tcattagaac	ctgagaggag	atgggaaact	600
ctcctgacag	aagcatcctg	gggcaagaga	gaggtgagtg	gaaaacgtcc	atccatatag	660
caactttctca	caagcctctc	ttgtccatgt	tccaggatga	ttccatggcc	ttctgccaag	720
acagcttgca	ctgtgattca	gaccttaacc	tctctgcgct	ctttggacat	gtgcaagggtc	780
tccagagtgc	catggctgat	ctctttccct	tcagtggagg	ctcaagtaga	agtactgttt	840
cttctactaa	tgtaaccccc	tcagtctgag	aaaaacagaa	tgagaaagg	aaagagtgg	900
gaagtggcat	aggcgataac	atccttatct	ctcatcagtc	acacattagt	accttaactt	960
tggaatctca	gcctttgatg	tttttaattt	gggactcata	tataaaacca	gttttttttt	1020
tttctctttt	cgtagcatct	taataattat	agcctacttc	tcttcacagt	ttcagctatt	1080
ttggaggatg	actgtatgta	ttccttttta	aagtacctat	tgggactccc	cactgagaat	1140
ttcgtatatg	ccacattaag	tgcattttta	ttttgattaa	aatttattca	tcacttttca	1200
tgtgatacag	taacagcatt	taaatgttta	atttcaactta	tataaatggt	catgttagaa	1260
taacatactt	aaaatctttt	tcttttagatc	attgtatggt	attaaatgag	caatagtact	1320
accagtcatt	tcatttttaca	tattgtcttt	ggcactcata	ctctttattg	ctggttttat	1380
attaagatca	ataataatca	agaggtctct	cttttcagta	aatttcatgc	agactcgggtg	1440
gcagaggcta	aacttttagtt	tgagagacca	gtgaaaaaac	ctggaaccta	aagttgagat	1500
aatgaagtct	tacataatgg	ccttggaat	agagagggag	ggctgaatct	agatgggata	1560
tcacagataa	taaattgaca	atattttggga	aaattatttg	ttgttagtag	acctgtgcgg	1620
tgatctggaa	gatgcaagca	aggcttttag	gtctgtctggc	tttttcctag	agtgtcagga	1680
gcatgggtcag	atctccatga	ttcttgagga	aagctatggt	ggaggagatc	cttgcaattc	1740
ctcctgttat	taacccttcc	ccttaccctc	aagagtagca	gtgttttgct	actgcaagct	1800
actagttggc	agaaaaggta	ttgagtaagt	agggtggcagt	cttccttaac	cctgtacatg	1860
ggagagcatt	agtctttgca	gctgaagaga	ctaagcagta	gagaagattc	ctctcattgt	1920
cttgatgagg	gactgacagc	ttgttagcga	aaatgttgct	tgaccacagg	aatgagactt	1980
ccatgcaccg	tcactctggc	attattaaag	ctatccagca	tttgggtcca	gccttaagag	2040
aaggtagagag	tcattgactag	gccagtgaat	ataacagtgc	atataaaaagg	gacctagtta	2100
ccagggagaa	aacagaagta	gacctgtgaa	agaggcaaaa	cctagtgaag	atagaattat	2160
tgaacaaaat	attgaacaaa	tacacttgaa	caaaaataata	agggcacata	agcagattga	2220
attataacaa	attcttttaga	gctagaaaaa	aatgacatta	agtttttaag	tttagattat	2280
ttaaaaaaga	ggacacgtgc	tattaagttc	caaattacag	gcctagaaaa	tcagggggaa	2340
gaattatgtc	attaaatgga	atgaaagtac	taacagataa	aatcaagaga	agacgattag	2400
agacttacaa	gaagtctctga	aggggaaaat	aaaaaaccag	gtggacaagc	aataactaaa	2460
taatagatgg	gatgaagaaa	gacttgagac	tgcagatcag	aacagctggc	tggtgtctag	2520
ccaggagaga	agtgaaggga	acacacaaac	acctatgcag	agtctggcaa	aatccctgaa	2580
ttccaaggaa	aaagtaaaaa	tcctctaagc	ttccatatga	aagaccaagt	tgcatacaaa	2640
gaaaaagaac	caaaccgaca	ccaggcaatc	ttccttacca	cacaagcaga	agtagaaaaa	2700
agtggaaatga	cgctacacag	ttgacaaaaga	actgcaactc	aggaaccttg	tactcagcca	2760
aaggaccctc	cacatgtcag	aatgaaaagg	agatactagt	ttatcctatc	tgaggaaaaac	2820
taaagaaaca	acctgtgaat	caaaatagag	acctttatac	aggggaagat	aaagaagaca	2880
gagaacagtt	taataaagaa	aacagtagat	cagtcctcact	aatataaatt	caaaagtata	2940
aataaaaatat	tagcaaattg	aatctgcctat	tgtatcaaaa	gaattctaga	ctatcaaacac	3000
tagagtttat	ttcagacatg	taatgatgat	ttgttaccag	gaaatctgtc	aacataattt	3060
attctatcaa	agggacaaat	aatcatagaa	gctattctca	tgagaatttg	aagtaaaatg	3120
ggtataagaa	ggcagttatg	cctgtaatcc	cagcactttg	ggagggcgag	gcagttggat	3180
tgcttgagcc	tggtaggtgg	agtttgcaat	gagccaagac	tgtgtcactg	tacttgagcc	3240
tgggcaacag	aatgagactc	agtctcaaaa	gaaaagaaaa	aaaaaaaaaa	a	3291

<210> 12672

<211> 398

<212> DNA

<213> Homo sapiens

<400> 12672

ctttggccta	ctgtgcctac	aggataaagt	ctgaatgcct	tcatggaacg	tacatggcca	60
tcagggat	ggttccttc	tgcctctcca	gactcatttc	tcaacacact	ctgccttgaa	120
cttttttctt	tctgtggcac	tgaactggag	tttttgtata	gctatcacat	tctttcttac	180
cttggtagct	gtttttctat	ctcaagtcct	ttctgccttt	tttgtaagtt	cgtttctctg	240
ctggactctt	aatacaattt	taattctgaa	actccattct	aatccaagct	aggatagttt	300
cccctttctc	ctgttttctc	tgtagcttgt	gtaaacctat	tttgttgcct	taatcacatt	360
attatagtat	ttccctgttt	gtcacttttt	tgagtccc			398

<210> 12673

<211> 355

<212> DNA

<213> Homo sapiens

<400> 12673

gtgaaagagg	tgacattttt	cttagcatat	acattatcag	ccttgaagta	attttctggg	60
tataaagggt	taggagaagc	tggtttat	agtaaattaa	ttggtaattc	gaagctattc	120
agaaagttac	tgcgcttttc	caagattact	gttggtgcta	ccagagaaga	tttaagtaga	180
taatggccat	ttagagacag	ggccgttagg	caactcagaa	ctttctat	cctagtgcct	240
tgccttcaca	gagatgctct	ttgtcatata	aataaatgaa	gaaaagctga	cattttaaat	300
ttcagcattg	tctcattcag	atagttaatt	tgaatctgat	agggcaatac	ttcat	355

<210> 12674

<211> 2489

<212> DNA

<213> Homo sapiens

<400> 12674

ctcagtcgac	tgccaaagca	atgaagcgac	ctctcgaagc	aactgtagac	ctgggtacttt	60
gacctttcac	ctttcgcttt	gcatgtagct	tttcagagaa	ccatctgaga	tttgtattac	120
ttgtaaaata	ctggttgcaa	acaatcatta	ttattaattt	atggaaaaaa	tccaataagg	180
tgttttagcca	tctcattctc	atatgtaatc	tgtgaaataa	attaatccta	acaaatttta	240
ataccttttc	caaaagagtg	aagcaaattt	aaattatttg	actcagaaaa	tgttcattat	300
aattcgtatt	aacctttaaa	ttcaagaaat	tgccatttag	ttaaagaaaa	gaataggtat	360
taataataac	accaatgctt	cgtccccctt	tagaatagtt	taactcattt	taaaagctga	420
agccattttt	tttggtgttg	ttgcttgata	gtttttcttt	tccttagttg	agatgctacc	480
gttttgggtt	acagaaatca	tgctttcgct	ctcaataaca	aattctcact	cattcgacat	540
tgccgctggt	taaattaagg	tgcatggcag	aggcatctcc	ttagctgtca	tttttaaaaa	600
gaatgttgca	attgatgatc	tctgtgaaca	tggaaaggtg	gtttgcttta	agttagacat	660
atcttatcga	attcttcatt	tctaggcctt	tccccctggg	gctcttcata	ctttaccaa	720
gagacaagca	cttgaaaaaa	gcaatggtag	cagcgcgggc	tttaacccca	gcgtcttgca	780
ctaccagcag	gctctcacca	gcgcacagtt	gcagcaacac	gccgcgttca	ttccaacagg	840
tatgtgccct	tactgcccta	cgtcctgtgc	ccttctgggc	atgtgctttc	ttctcatttc	900
tctaagctgt	ttggtggcat	ctagtttgct	tttgaaggta	taatacagtt	tgaaattcat	960
cgttgtccta	gctatctaaa	tgtattttacc	ttactttgaa	tgatagctaa	agactgttag	1020
gattctaaag	ccaaatattt	gatagattga	agagacagat	ttaacccatg	agaaacagca	1080
gttagggctt	ttggtttctt	gtatttgcac	aagccctgta	aaattgttta	tgtaaataag	1140
accttttatg	tgtgacaatt	gaaatttgtc	cttaactctg	aatgacctaa	aaatagcaat	1200
ttcagtaaat	actaaccatt	tttttctatt	tctattcaga	gcactaaaa	aatgaggcta	1260
ttcaaattaa	agcaattctc	tactcatatt	tttatattca	ttctatctct	ttctccatcc	1320
ttctcaactt	tcaccaagtt	cacaagtata	tagagctctt	atcctcagtg	tctaagccaa	1380
tgcttgatac	tattacgtac	gatgtgcatt	aactatgatt	ccactaaaag	atccattgta	1440
atagtcatag	aatcttagag	tttaaaggac	tcttagtgat	ctcctcatcc	agctgattgt	1500
tttacagatg	agaaaactga	ggccccctaa	atgagaagtg	actttccaag	gtgccacaac	1560
taatgagaaa	aagaactgag	tttccctgtg	accaaaccac	tttacatcac	attctaccac	1620
ctggggccgc	ctatatatac	acattccaca	gagttctcct	gaaaaaagaa	aaaagcagat	1680
aaaagtgaat	ttttaaataa	ctgaccccaa	aaagtcagat	aaaagtaaaa	aaacaaaagt	1740

ataaatcatg	tcattccctcc	cccattttgca	ccgacatctc	taaccacaga	cacacacacg	1800
cacaccatac	gcaaagatag	tcaccataat	tgaccatggt	tttcaccttt	tagtcaatgt	1860
tagaagcaag	gggtaactta	agtcctgggtg	ggaagaccat	ccattgaggt	ctttgaaagt	1920
caacattttt	cagcccacga	tagtgaaatg	aaagtaaata	taaatgaata	acaattctaa	1980
caaaaagagt	tttttgattc	aaatccatta	attagaactt	ttcgagctta	ttatccattt	2040
ccttaaattcc	catagcttat	cagagttaac	atcagagggg	ggtaaaatat	ttctgtgata	2100
ttctttgtat	aaaatctaca	ctttgaaatg	gattagtaac	ctgtgaacaa	tacatatttt	2160
agttaacata	taaattatgt	gagcaaagt	gttttcagtg	tttttttctt	atttttagtt	2220
tgaacctgtc	ttaaactcac	agacttgtag	aagaaatctc	taattcagta	tttattagga	2280
gttcactttt	gccctattac	agccttaatt	agtgcacatc	cagtgtctgt	acagcatagc	2340
agtgtcttaa	tatgtaatct	aattgaaata	acacatttgt	aaaataatta	ctagaaggta	2400
aacttacgtt	aatgtcctgt	gtgggtttcta	caaagtgtgt	cattgtagac	ctcttgcca	2460
ctagatattt	taagataaaa	aaaaaaaaa				2489

<210> 12675

<211> 6504

<212> DNA

<213> Homo sapiens

<400> 12675

ggcgggcctc	caaggccctg	ctcccagtg	gcgccatga	agtcttcgcc	cgggaggcgg	60
tgggtgcggg	tgagctcgg	gccctgctgc	ctggagatga	ggacgctggt	cgagctcggg	120
ccctgggctg	gggactttgg	gcctgacctg	ctgctcacc	tgctcttct	gctcttctg	180
gcgacggggg	tcaccttgga	cggggcctcg	gccaaccca	ctgtgtccct	gcaggagttc	240
ctcatggccg	agcagtctct	gcctggcacg	ctgttgaagc	tggcggcaca	ggggctgggc	300
atgcaggccg	cctgcacct	gatgcgcctc	tgtctggcct	gggagctcag	tgacctgcac	360
ctgtctcaga	gcctcatggc	ccagagctgc	agctcggccc	tgcgcacatc	cgtgccccac	420
ggggcgcttg	tggaggccgc	ctgcgccttt	tgtttccatc	tgacctctct	gcacctgcgg	480
cacagtcctc	ccgcctacag	cggggccgct	gtggctctgt	tggtcaccgt	cacggcctac	540
acgggtgagc	actgcttccc	cttcccctgg	gcccctgagg	acctctcacc	tgtgtggcct	600
ccatgcacac	tcaggcccg	ttgcacccag	gatagggggc	tgtctggccc	ggtggccaac	660
aaaccacaaa	gaagaggcgg	tgatttctct	ggatctggcg	ggtagacgag	ggcctgcgct	720
ggacatgggg	tgcggtggag	cagcctgtcc	cctgccaggg	ccatcctgcc	cactgcacct	780
ctccccagtc	gcagctattc	ttggtctctc	cagaagttct	gcctctgggg	tagtagggac	840
agcgaggcca	gacgattcaa	ggcccagccc	agtttctctg	tctggtgtgg	gagtcctctg	900
acctctatc	acctcttcca	gagcgacagg	tctgtctctc	cctgccccag	ttggcctccc	960
tggcctccta	ctgacacctg	cactctgcga	tctctgcctg	cacctggacc	gaccgtggca	1020
cccagctctc	atggtcccat	caccccttgg	tgagctccct	ccactcagac	cctccgtctg	1080
atccagtcct	ccatgtctgc	tttcccctcc	gagcgctagg	ctccaccacc	acgaaagcct	1140
ttgtctcagc	agttcccagg	acaggtgtcc	acagcgctgg	ggctgcaggg	agagccaggg	1200
gagccggctc	gtgctccagg	caccacagga	agggctgcag	ggagaatggt	gccaggtctc	1260
cttccggggg	tccgaggtcc	taatcaggac	aggaccagca	cttaggtcca	tggcactgcc	1320
cacgacccag	cactgggcag	acaccacgga	atctggacca	caaaggccac	aggaaggtgc	1380
caccagagcc	ctgtacagat	ggggaaactg	aggcaggggt	gagcggggag	tctgcaggga	1440
cacggctctg	tggcagattg	cccgggcctc	tgtcctgggt	ggcaccggag	agctcccgtc	1500
aagggtcctg	cctccacgag	gcacagggcg	cctgggtctc	gggacggagc	tgcccatcct	1560
cagggtcctg	gtttacacct	gggcggccgc	agactccatg	tccctgtggt	ccctgccctc	1620
cgctaggccc	actccctgct	cttccgtgcc	cagaggcagg	tccccgggat	tgggtggattc	1680
tgttattttg	ggtggtcacc	caggcctggg	gctgcaggac	agcggcccg	ctgccgccgc	1740
cttcccctgt	ctcacatcgc	acagccatgt	cgtcttctct	cctctgtctg	tgctcgttta	1800
ttttctgagat	ctctctctgt	ctctctctct	tctctctctg	tctctctctc	ctctctctct	1860
ctctctctct	tctctctctc	ctctctctct	ctctctctct	ctctctctct	tgtctcctct	1920
tctctctctg	tctctctctc	ctctctctct	ctctctctct	tctctctctg	tctctctctc	1980
ctctctgtct	ctctctctct	tctctgtctc	tctctctctc	ctctgtctct	cctctctctc	2040
tgtctccctg	tctctctctg	tgtctttttg	tctctctctc	actatctgtc	tctcttagtg	2100
tctctctcca	tctctctctg	tccgtctttc	togaaggcca	catcccacag	ggtgggggtgc	2160
tggagggcag	catgggcggg	gcacgggatc	ccggtgagat	gtcgcgaggg	tgttggacgg	2220
ccctgggggg	ccccaaagt	ctgcccctga	cccagacctt	ggctgacccg	gccttgctgc	2280
atcgtgtgtc	catcgggtgc	ggggaccagg	cggggcttca	ggagccgaga	gcagctccca	2340
ggcctgcaca	cagtggggct	ctcgggtgtg	attcgggtgg	ggggatcagg	tcctggcctg	2400



cagagggg	cg	tcaggcaggg	ctggggacca	gggctgtctg	tgtcttggcc	acagccgggg	2460
ccttcacgtc	tg	ccttcttc	aaccctgccc	tggccgcctc	tgtgaccttt	gcctgtctcg	2520
gacacacctt	act	ggagtag	gtgcaggtgt	actggctggg	ccctctgaca	ggtaagggca	2580
ggggcaggg	g	gggtcccta	gggctgtctg	ggcccacaga	gcatcctggc	acgtgggggtc	2640
ctgcaggg	tg	gaggtgaggg	tgccctgggtca	gtgtccctgg	ggaggtctct	gcagtgggca	2700
tggtttcggg	g	gtaggggt	gtgacggcat	gtctcactgt	ggacaccgtc	ccgggtgccga	2760
gcaagctgca	g	ccaggtaa	gaggccacag	gctggggaaa	ggccaacctt	gcaaggggtg	2820
ctgggcacac	g	gggggatgg	gtctgcagtg	gggtccatg	cacctgggg	tcccgcccc	2880
ggtggcatct	cc	acacaccc	agagccagac	tccgcgagg	ggggctcatt	ctgggtgtccc	2940
taaagcctca	g	gagggcagag	agccccgtt	agatgatata	gggtgccatc	gtgcacttat	3000
agggctgtga	g	catggggct	ggagcagcca	ggccctttgc	atcctgggtg	ggcagaccgc	3060
ggactcgtg	at	gcacacag	gggaccccag	agttccccc	cagtgtgtgc	ccctcctttc	3120
ttatatcctg	gat	ccaagca	gaggagcagc	atggggagg	catggagccc	cctcttggac	3180
ctagatctgg	g	gattctggc	ccctggcttc	agaggccag	gtggagccca	caccttctcc	3240
tgcacctgct	ct	cagacact	cggtccacc	tactgaggt	accagaaggg	cagctgggtt	3300
cctatggaat	t	ctggaagct	tttttcagct	tctgtctgg	ctacactggg	gaggtctcag	3360
gggcaatg	tc	agcctccc	cttgggggga	aagacaggag	ctgggggtct	ctcaggcacc	3420
tggccctgcg	at	ggtgacac	tgacgtcate	gtgatttg	gccatgggtt	tgatgtgg	3480
acagtctctc	agg	ctgtgc	agggctcctag	gaagcatatg	aagtgcac	ggaaccccc	3540
cctgcccccg	tt	gcgaggc	agcactgccc	tctgctagga	acagctccgt	gttggcctct	3600
ctgtccccac	ac	actggg	tgcagggtt	ctccgagact	cttcagttca	ggtatcaacc	3660
ctgggctgtc	t	cctgggatg	tggggggcg	atgttctttc	cttgccctcc	cacgtcctc	3720
ctgcggtacc	tt	actccg	gtgggtcg	ctcttccctc	tgatcagctc	cagagcccc	3780
tctagtcccc	tg	gcatggaa	acacggcccc	ggtgagctgt	ggtggccccg	gaggcctctc	3840
cgtccttgca	c	aggccttg	ttcctgcggg	tgacgaggtc	ctggactctc	tccctgccag	3900
gcttctgggt	g	cttccctta	gttcagcacc	agtgtctgt	gtgggcagcg	tctccccga	3960
ggatccgcag	ct	cggggtta	cccgcaggcg	tccatctccg	gtatggtg	gcccttact	4020
gatacctggt	gt	attttctgt	ttcctgcttt	cctcatcgcc	tccgtttcg	gttgattcct	4080
tctttttgct	g	gtgcccgtc	tcacagtagc	ttcctgagaa	cggggacctg	gcaggtacac	4140
ttcagacctc	ct	gtgtctga	aatagtgtcc	tggttctgac	ctgcacttga	gtgtcgggtga	4200
ggcctgggca	g	ggttccggg	tgggagctca	gtttcgtcct	gagtttctca	ggccccaacc	4260
atggcctgtg	gt	ggcttcac	gggctacaag	gcaaaggacg	caaacgaaga	ggcttcacgt	4320
gacaggggtt	t	atgtctcagc	cagctctgga	ggctggagtc	tgagctggca	gcactgacag	4380
ggtcagctct	c	ctcgaggc	tgctggggg	gagcctcctg	cctcttcccg	gctccggggg	4440
cctctgggca	c	cccggtgtc	cccgggcttg	gagacgcagc	actcccatgt	ctgccgggtt	4500
ccctggccgc	ct	cctctgtg	tcattgtctg	ttctcttcat	atagggacac	cagtcacga	4560
attggagggt	c	actctactc	aagtatgacg	tcaccgtgat	ttactgatt	ttatgtccca	4620
ggccgtattc	ta	acaagggc	acatcctgtg	ttctgggaag	ggcgtgtcgc	tggggaaata	4680
ctcttcaccc	g	gtgcaacc	tctcactgta	gaactgcctc	tgtggagaag	cccaaagggc	4740
atgtgcggct	t	ctaggagcc	aagtaggagg	aggctgggat	ccgtgtttca	ggcgggactc	4800
caggcttggg	c	gggctgat	actcgagtcc	acatgcccc	tctagagagg	aacctgtctc	4860
ctgccagggc	c	agggagggg	ggcactggct	gcttctgtat	tttgggggtt	ggggcccttg	4920
agcttcccat	gc	gaattgc	cgtccctcct	ctaggcgag	tcccaggggc	accccatccc	4980
acagggacc	g	ggcgccagc	ttctgaaagc	atggggcatc	tgcggaagaa	ctgggttgtt	5040
tcccagcttt	c	gtccctgcg	gaggggcat	ccggccctc	catgtcagca	gtgtttgg	5100
gtccacatgc	tt	gtcagccc	cacgtgtg	tctgtcgtct	cttcccgctc	catccatctg	5160
gatgcttgac	ac	ctctgaca	gcateccctt	cctgtcatct	tagggcagct	tcaggaaacc	5220
gaaaaacagg	ct	tgtgtcct	tccattaacc	cctttatcca	caagttcagt	atcagcatga	5280
gccctgggga	g	ctccaaggc	tgcagccagg	agccccgtag	ccagggtgtg	acatggggct	5340
atctccctgg	gt	gtgagcgg	ccaccggcac	ctgctggcag	cacccctgag	caggatccc	5400
cgctccctg	g	ccctgccct	cctgggaaca	gagctaggac	cagtgtgggc	ctggagggcc	5460
gagtgagggg	ca	actgtag	caagctgtag	gcacaggggc	cactgtcagg	agccacagca	5520
gctgcaggtg	gt	gacaggca	gggccccctc	aggccagccc	tagtgagagc	cacacactgt	5580
gggttaaate	ct	tagaggag	tgagatcaaa	cttgaagagg	atctactctc	cccttctgcc	5640
cggaacacct	g	cccttccca	atgacctgga	aggcaggcgg	ggatttagga	gtctctgctc	5700
ctggagttct	g	ggagaacgt	tcgcatgagg	atthagccag	gcccagcctc	ccaccagggg	5760
gcatccacat	ct	ttcttgtc	cactcacatc	ccccacctct	acgccaggcc	acagccctgc	5820
aagcagccac	c	ctgggacgc	cacatcaggt	cccggaggaa	aatggccaca	gaagctctgg	5880
gagtggctca	g	gacaatgtg	gggggagggg	aattccagtc	actcatccca	gaggggtg	5940
cagaagtaca	ag	gaacccca	ccggcttgcc	ccgtcccca	tggctggcat	acccagagag	6000
aggggcatga	cc	aggggcggg	aagaccagga	ccaggcagga	gctgggcctc	agggttcttg	6060

gggctcctgg	ccaggctgcc	tggctcgcct	gtcctggcac	aggcctggga	gtgggtgtcc	6120
tgtctgtgtt	tgggccagg	agcccgcggc	ccacctggga	cctgccttct	cttgcaggga	6180
tggctcctgg	tgtgctgctg	caccagggcc	gccttcccca	ccttttccag	aggaacctgt	6240
tctacggcca	gaagaacaag	taccgagcac	cccaggggaa	gccggccccg	gcctcagggg	6300
acaccagac	ccctgcaaag	gtgtccagtg	tccgggagcc	tgggcgcagt	ggtgttgagg	6360
ggccacattc	cagctgagtg	gccttgctct	gtgtgagccc	cgtgcgaggg	ccctgcttgt	6420
agctggaccc	tggaaccttc	tgtagctaag	agggaatcct	ggccccctcc	ccagaagcca	6480
tttgtcaata	aaccatttct	aaga				6504

<210> 12676  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 12676	
aaggtctcca	gtggtgtcgg attagaatat gaggaatccg tctgagctca ttctccacag 60
gatcccacga	gggaaagcct ggcttttccc tgtgcagatg ccaggcctct acagggttcca 120
gaaggttcct	ctgctcctct gagagggcag ggcacttgca cagggaacag gcagccgaag 180
gcagccacag	ccctactgga accaggggtt ctctgcctcc tgggaagagg tcagtggatg 240
ggttggggag	ggggacaggc ggcttctctg tgggagtcga agagcctggg gcctccccctc 300
cttggaggcg	accagacacc ttccctaact ggaggaaatt ctgaacccca gacctggaaa 360
gttcaaagct	gaaataaaat cggcccttgt tttgcga 397

<210> 12677  
 <211> 16106  
 <212> DNA  
 <213> Homo sapiens

<400> 12677	
tggaaattct	tttggttcat gaggtggtgt ttggtaatag aaagaaaggg tcaaagttgg 60
caaagtgatg	cagggttagt gtcctttatc tgaaatgctt gtgaccagag tgtttcatat 120
tttgtatttt	tccagatttt ggaatatttg catatacaaa atgagataac ttggggatgg 180
aacccaagtc	taaacatgaa attaatattt gtttcatata tatctcttat acacatagcc 240
cgaaggtaat	tttatatgat atttttagta attctgtaca ttgaagatag gaagggaaaa 300
aaataataat	tctctgcacg aaacaaagct ttgactgacc agcacatgag gtcagggtgtg 360
gaattttcca	ccatggcact caaaggggtt tgaattttta gatgagggat gctaaatcta 420
tatgtttgat	tgaacttcca ttgtagaaaa aacttcttgt taggagcaga ctcctaattc 480
gcctattgat	tgattgatta attgagacag agtctcctct ggcccaggct agagtgcagt 540
ggtacaatct	cggctcactg caacctccgc ctccctgggtt taagcaattc ttgtgcagct 600
tccaagtag	ttgggactac gggcacatac cagcaacgcc cagctaattt ttttttgtat 660
ttttagtagg	cacgggggtt caccatgttg gccaggctgg tctcgaactc ctggcctcaa 720
gtgatccacc	cgcctggctc tcccgaagtg ctgggattac aggtatgagc cactgcatcc 780
ggccttacct	tattattaaa aagttttgtg ccagccatgg tgttgtgccc ttgtagtctt 840
agttactcag	gaggctgaag tgggaggatt gcttgagccc aggagttaa ggccagtgtg 900
aacaacagtg	agaccctgtc tctcaaaaaa ataaaaata agttttctgt atatttgtca 960
actaattagc	tttaggggta tgacgtgggg tatgatacgg aaagcagctt cagtttcatg 1020
atactaggat	ggaaatcaat gagaaaaact tggaaaccaa ctgcaaaaac cttaaccaat 1080
cacaattttt	tatgtcattt gtatactatt tatgatacag acatgggtata tactttatct 1140
tgaaagttct	aggcggaag gtttaacatt ctacttatgt attttcctgt ttttgtgctt 1200
atctagcttt	ttttaaacia tttcttctt gtattacagt cttggctcct tagtgagtaa 1260
agtgaagaa	taccaagtag agacaattgt agataccctc tgcactaaca tgctttctga 1320
taaagaacaa	cttcgagaca tttcaagtat tggctttaa acagtaattg gagaacttcc 1380
tccagcttcc	agtggtaagc aagagcacat ttttcttctt atttcttttt gtgtggagggt 1440
atttctcccc	accctttttt ccccttcttg ccaaggaggg agggagggtg ctgtccttac 1500
agatgttcat	aggaatccct ttggacaatt aagaaaatta aagcgtgaag ccttattttc 1560
cttagaaata	aatgttaaat gaatatattt attgaacttg tatgtaatat gaatttcagt 1620
gaaggatttt	tatatgttgg agcaagattt tatactgtgt gtaccatgac tgcagactag 1680
agttatgcc	acctatgcag tgagggaaga gataaccaaa atattgcatc ctgattagtt 1740
cactgtttcc	agtattaatt ttactttgcg tcagtatttg ctatgtaaaa tgtaacacca 1800

ttcagacata	gctgtggaat	agttcagttt	actagtagct	tttaattaaag	ctgagccttt	1860
tacagctact	tggttaattaa	acaaatttaa	aactatgatt	aatgtatttg	ttactaatt	1920
agcttttggc	ctttgataga	aatgtgtagg	taatataaat	tttagaattg	gtcttgacta	1980
ctaaactatt	gctaaaatta	ttaggctaaa	agtttttgtc	tcactctgca	aagggtgagat	2040
tatcacctat	ttcatgggaa	gatttagatt	ggtaataatg	tagtctgggg	gccgggagag	2100
gtggctcacg	cctataatcc	cagcactttg	ggaggccaag	gcagggtgat	cacctgaggt	2160
cgggagttca	agaccagcct	gaccaacatg	gagaaaaccc	atctctacta	aaaatacaaa	2220
attagccggg	cgtggtggtg	catgcctgta	atcccagcta	cttgggaggc	tgaggcagga	2280
gaatcacttt	aactcaggag	gcggagggtg	tgggtgagccg	agatggtgcc	attgcattcc	2340
agcctaggga	acaagagtga	aactccgtgt	caaaaaaaaa	taaaaaaaca	aaaaaataaa	2400
taatgtagcc	tggttatggt	atttccactc	atgtacttga	atcattcact	gtgctagtgt	2460
tcagtctaaa	ggctgcatac	gtaaactagt	ctaaacatca	atcatatggg	aggtcttact	2520
gttccttcta	gtttgtagat	gggagaactg	aaattcagag	agattagggt	aattcaccca	2580
aagttgggtg	agtaattggg	taaagattca	aatccatttt	cttttaatcc	aaaaaggatg	2640
ctttcttcaa	tgtatcatac	cagtgttatt	ttacctttat	taaatagtta	cttattttcaa	2700
taaaacattt	caccaactca	gaagtatggt	atttataatt	gtattagcta	tgtatatatt	2760
ttttaatttt	ttttctctca	ttgaaatgtg	tttgacttga	gccaatttcc	ggttcttaca	2820
agaatttttt	taaccattca	gattcttact	ttcacagtga	cttgttcttt	ttcttctctc	2880
atcagtaaca	acatgaccta	ctgtaagtag	taacaattct	gatttatgag	tcctggaacg	2940
aggtttttgc	tttataatga	agttacggaa	tctttgggtt	ggaaaggacc	ttattaaaag	3000
ttatggctga	tttttttttt	taaagaagct	gctaagcatt	ggagctcaga	atatatgctt	3060
tttaattcac	tgaagtttaa	aaggctagtc	tactagaaaa	gactcaaata	gagaaaactc	3120
tccttgctgc	ttttcaatct	agggtgtgca	gctctacagc	tactactggc	tccatagtta	3180
gcattcatac	caatgcatac	agattatcca	gtagatagca	tagttatcta	tctactatta	3240
ctagttatct	gtaatatcta	ctattatcca	gtagaaagaa	tctgctgaca	tctgtattgt	3300
ttttctgtgc	ctttaccctt	tctgaagtgt	tcactctctaa	ttcttgttta	tgtccagtaa	3360
gttatttttt	tgaaaagcag	cctgttttga	aagatgtgtt	tttctccac	agatctcctg	3420
tgtctcatga	tcagggtgtg	agttgttaaa	tatttgggtc	aattcttgtt	tatttctata	3480
agtcattttt	ttgaaaagca	gcctgttttg	aaagatgtgt	ttttctgccc	tggatctgtt	3540
gtgtctcatg	atcaagtgtg	gagttgttaa	atatttggta	actaccatga	atataagagg	3600
gaattcaaca	tgcttgccct	gaaattatta	ttggcttctt	attcatgcag	gctctgcatt	3660
agctgctaata	gtatgtaaaa	agattactgg	acgtcttaca	agtgcaatag	caaaacagga	3720
agatgtctct	gttcagctag	aagccttgga	tattatggct	gatatgttga	gcaggtaagt	3780
gtgcctgttt	atttccgtta	ctcgtaatca	agataactac	attaattttac	taaaaaccct	3840
ttctagtaaa	tataataaaa	cttggctcaga	aattattcat	atttaaatgg	tggctgtttt	3900
atcaatttgt	gtgattggga	gtgaggggga	aataagctaa	ttacactaac	atataagtat	3960
ataaatttgt	atagtaaaaa	ttttgtagtt	ctttaaagta	attaataaaa	tttgtgattt	4020
taaatttttt	ttagcacggt	tcattgtttg	ttttactcat	atattcttgc	attcagtggt	4080
gtatttagat	aaggagatgt	gctggtagtt	acggattttc	cgggttaaaag	aatgctggta	4140
atcttcggta	accatattaa	tagtgcatac	tttaggggag	ggaggacctt	ggcttttatg	4200
tatttgttgc	tttttcaact	tcctttggaa	gtcagatgtt	agaacataga	cagacctaaag	4260
caactcctag	gagaaaatac	cttaaaggac	ctgtcaattt	ctgattctca	tattcattat	4320
aggccaccat	tatttgtgtg	tgttttttgt	ggcaaatcca	tgtcaactta	aaaacaatca	4380
agtgccttca	ggtgggtgtg	tgggtgtgtg	gtataaaagt	gaggagctat	catcctggca	4440
ctgaaagagc	ttatacttta	cgataggaca	taagaacacc	gatggctaca	gggcagaatg	4500
ggactaaaga	ctaactggga	gcatagtgtg	ttttgggttt	taaaatggaa	ggattcaaga	4560
aaattgtttt	tatggaaagt	ggcatttgaa	ttgggttttg	agaatgggt	agcccttcaa	4620
tagttagatg	tgccaggtg	tagaatacat	aagtagtatg	cgaatgggga	agcatattct	4680
agttttctag	aatagagaat	gaatagaaaa	gcagtaggaa	atcattctga	tagattgggg	4740
tcattgttag	gtggatgagg	aatttatgtt	taatttgata	aactgaaaat	tcagactttt	4800
tgtcctgtgc	atgatttaac	cacgaacact	gattgtcctg	gcacaggttt	gggtagtagt	4860
gactcattga	actatacatt	tgagatgatt	tggaaagggg	gtgttggaac	aacaggaaca	4920
atgaaactat	atatagagga	aagccaataa	gggagagggg	gaactcaaga	gaaggtcagt	4980
tttttagtgt	tgtgaatccc	cccctaaaaa	agcaatacag	aaagtcagaa	tacagaaaat	5040
catttagatt	tctttttttt	tttctttctt	gagatggagt	ctcactctgt	cacccaggct	5100
ggagtgcagt	tctgtgatct	cagcttactg	cagcctccgc	ctcctgggtt	caagtgatct	5160
tcgtgcctca	gcttccctgag	tagctgggat	tacagggtgcc	caccacctcc	actggctaatt	5220
ttttgtattt	ttagtagagg	cagggtttta	ccatgttggc	cagggtgggtc	tcaaacgcct	5280
aacctcaagt	tatccacccg	cctgagcctc	ccaaagtgtc	gggattatag	gcatgagcca	5340
ccattccttg	cacagaaaaa	catttagaga	ttttggaagg	agaaagtgc	aagatgattg	5400
tgtagttttg	gttgttgttg	tttgtgtttg	gttttgggtt	tgagacaggt	tttggcccag	5460

gctggagtgc	attggcatga	tcattggctca	ttgcagcctc	aatttaccag	gctcaggtga	5520
tcctcccaact	tcagcctcct	gagcagctgg	gactacaggc	atgcaccacc	acacgcagct	5580
aattttttgtg	ttttttgtag	agatgaggtt	ttgccatggt	gccaggtctg	gtctcgaact	5640
cctgggggtca	agtgatctgc	ctgcctcagc	ctcccaaagt	gccggggatta	caggtgtgag	5700
ccttcacacc	cagacttgtg	gtttttgttt	ttgtttttta	atattttccc	aagccaatca	5760
attagatatc	ctataattgg	ggatttaggt	ctagattccc	ggagtcagtt	tggcaatgta	5820
aatttcagtg	ctgcattcac	ttagctcagg	tttcagttgc	attggtagat	aaagtataa	5880
tttaattttt	ctttcactat	gaattagtct	caactaaatt	tgtgttctga	atatttgcat	5940
tgaggtcaga	ggccagacat	ttagtagtgg	ccaggcatct	tgaattcatt	tgttgttttc	6000
tttctttttt	tatttttatt	taaggcaagg	aggacttctt	gttaatttcc	atccttcaat	6060
tctgacctgt	ctacttcccc	agttgaccag	ccctagactt	gcagtgagga	aaagaaccat	6120
tatcgctctt	ggccatctgg	ttatgagctg	tggaaatata	gtttttgtag	atcttattga	6180
acatctgttg	tcagagttgt	ccaaaaatga	ttctatgtca	acaacaagaa	cctacataca	6240
atgtattgct	gctattagta	ggcaagctgg	tcatagaata	ggtaagaaat	ctttaaaagt	6300
tttacagttt	tctttaatta	aaaaaattaa	tgcattgttt	taaagaacca	ttatgctttt	6360
cttaggtgaa	taccttgaga	agataattcc	tttgggtgga	aaattttgca	atgtagatga	6420
tgatgaatta	agagagtact	gtattcaagc	ctttgaatca	tttgtaagaa	ggtaagtttt	6480
taagatctct	attttttaca	aaaagttttt	ccttaagagt	agaatcataa	ggtctacatt	6540
aggtgtgtga	ggagaagcgg	ccttttggat	ttcagatata	acagacaata	cagtatttga	6600
aactaatgtc	atcttgcctat	tataaaatgt	ggtcattcac	tttattttga	aaattttcct	6660
tgtcattgtt	aggactttat	ttaaagaatt	ttggaaagggt	atttataatt	attttgggtt	6720
tacttttagaa	gggaagaaat	gccagtgtaa	taatgtagtc	tgtactgaaa	gcccgagcagg	6780
ataaattatt	cgtcagaaat	aagtagtgaa	ttgccttttc	aacaatttct	taggtcacat	6840
ccattttgct	agggtcagtga	ttctcaattt	ggaaactgat	tctaataatat	tttttaaaag	6900
cttagtaaaa	gttgtgtatt	tgtgtactag	aaggcaatac	aagataagta	acattatttt	6960
tectcttgac	taatgcagta	gcattggtgc	ttgagacctt	actggttgtt	ttctgcattt	7020
atcccttgac	actctgggtt	ttgagaagtg	gcttttaatc	ataccatatt	ctgaaaatca	7080
gaaattgtta	gattcatttt	tgttctctta	gttgagaaac	acaaagtatt	ctttttatttg	7140
ctggccctgt	gggcatttat	atgttctgtc	ctctcattac	atcggtagaa	gaccaagcct	7200
agggtgaatat	gcactggcat	ttccacaaat	aatcctagtt	actgaagagc	acattcatct	7260
gggttttggtt	ttctaataac	atgttgatta	tataccgatt	tctgtctata	ctgccataca	7320
ttaaccataa	catagttaaa	atcgggatta	ggggagttca	tcttaaaatt	gattaaataa	7380
gtacaatttg	aaaggtaaac	ctttttaaatt	agtaagtcca	tgggagagaa	agagcaagaa	7440
tcattgggtgc	tagatagtct	gggaactact	gtcctatggt	attgctggta	ataaagcaaa	7500
atgtggcagg	taatgaatca	aggagtaaaa	tgcagctctt	caaggcagct	tttgtttttg	7560
tctttagatg	tcctaaggaa	gtatatcctc	atgtttctac	cattataaat	atttgtctta	7620
aatatcttac	ctatgatcca	aattataatt	acgatgatga	agatgaagat	gaaaatgcaa	7680
tggatgctga	tgggtggtgat	gatgatgatc	aaggatttgc	aaattaaata	gaatcttttg	7740
agtttttgtg	aaagacactt	atagatggag	atgattctta	gtccaaattg	tactgtttgt	7800
tttatttagt	tataatagtg	aaaagggaaa	tgatctcaat	atgtgacaac	agcaaattaa	7860
gttagagggc	atccatgtat	tgaactgtta	tgcaacacat	taaaaaatca	tgtctaaaaa	7920
tcattcatta	atgctgttaa	taagggtgag	gaaaagtatg	tagcaaaaat	tgtcaccat	7980
agcccaattt	tatttcttta	agtatacaga	aaaaaatctg	tatatattaca	actagtacta	8040
ttaccacttg	ttttctcttg	gctaggaact	atgtatgatt	tttggtttta	agtactattc	8100
aaattttcta	caaagcattt	ttgttaaggag	ataaaccaag	gttttagaaa	gaattgaatc	8160
tgtagatata	catatttagg	gcagcttggc	ttgaaagaat	attagtttgt	ttattcatag	8220
ttcatgaaaa	attctaaata	ctgttcgagg	ccccatttaa	cattcattaa	tagcttacaa	8280
catttctgag	gctcctaaga	ttgatgtaat	cacacgatga	tttatgatat	ttactctgga	8340
aagtagtagc	agcacttcaa	ggacataggg	gttgctcatg	tcagttgttt	ctgtttgtat	8400
tggagaagaatc	ataataacaa	atattttaagt	tggtaaatta	ctaggtaaac	agggttggtg	8460
atttttttgtt	attttttgaga	atacttttta	tttggattct	ttgaatgaat	ttacataaca	8520
gcttttctgt	caagtcagta	atttcaccca	tcttttaaaa	acaagtacca	aaagagtttc	8580
ttaacacat	atactcctct	agcagctgct	gcctagtttc	tctcctccac	aacagagctc	8640
cttaaaaagaa	tgcagttcca	ttttcttttt	tccattctct	cttgaatcca	ctcctccagt	8700
gatggatgag	attgcaaagt	tttgactctg	cctatcgat	tactcagtct	cggcaacatt	8760
tctttatttta	gcttctggga	taccattcta	gcctggatgt	agtcctatcg	ttgtgattac	8820
tccagctcttc	gatgctgttt	cttcttcttc	accctgacca	ctgtacttac	agtatcccaa	8880
ggctcagtc	ttgaacttac	ctgttatact	gttgattttt	ttgttgatct	catctagtct	8940
cctggcttta	atatcaatat	gctggcaacc	cacatcctat	ctttaatcca	gatctcactt	9000
gtgaatccag	attcatatgc	aactgcttaa	ttaatatgtc	tgcttgagata	tctaaaatat	9060
cttttccctg	ccccttcccc	atctcccacc	taacctgttc	ttcttttagcc	ttttccatct	9120

cagaatggta	cctctattct	tcttagttga	tcaggccaaa	aaccttgcag	tcatacctga	9180
ttcctttttc	acacatccct	cagctagtct	tccacctcag	aactatcttt	cattttattg	9240
tttttatttt	gtttatcaca	cttagtaact	ttctgacata	ctgtaattga	tggtctccta	9300
cctattagaa	tataagtttc	atgaaggcta	gatgttttaa	tctcttgatt	gactgcttta	9360
ttccagtgcc	taggacagta	cttgacacac	aggcaatcaa	taaatgggtt	gtattaatga	9420
agggaaactt	tagcttatat	tttaatatga	atatcttttg	aagaaagcag	tagcaatgta	9480
tattccaggt	tttgaatttt	gtttttttgt	gtgctgtata	acaaactagg	tacttcacct	9540
gctttatcac	ttagtatgaa	ttatacccat	taaatgactt	ttctaccatg	gtgtttttgt	9600
gatttataaa	atcaacgtaa	ttttagttaa	taaggacatt	tgttaatttt	ttataatctt	9660
gtttttaata	aagcttatat	ttctgggagg	caattgccat	agtgtattga	catggaaaaa	9720
attttatgtg	ctcttaactt	gatagtgtat	tttggcagta	tcttttaact	ttatttgaat	9780
agatattggt	aaataagcaa	acgtcttgca	tttagcagta	tttgggtgta	ttttcctgta	9840
atgtgctaag	gtgaatttta	agcttttgag	ttggaaaatt	ttattatttt	gttggtatact	9900
gtagaatctt	ctaaggccta	gctggctaca	tttgactgtc	aaactaagct	aattggaata	9960
aaagccagta	aaaagttact	actccgctct	attatttcaa	ggctatgtat	agtcttatct	10020
aagaataaag	aaattattgt	gagataattt	tagactatca	tgataactgc	taataatttct	10080
gccacctttc	tgactttcata	ttacccaact	aattaaacct	gatgggtgta	gaaagaaaaga	10140
ttttctggag	atttcacaca	catgttatcc	atcaagtata	gataagtga	atacaattct	10200
tagtgctttt	gctttgaatg	tttaagggtt	agcattaggg	gaaaaaatgg	tcctctgtta	10260
agtgtgcagc	attttcttgg	tataattaag	caaaaatggg	tttgttaaag	tacattaaga	10320
caaaattgtg	aaagggttag	aataacata	tttgttcctc	acagcttatc	aacaagttga	10380
gtgaaaagcc	ttgtagtcac	aaagctgatg	tcaaccttct	ttttattccc	agcaaattag	10440
ttctacagtg	ttttgggatt	ggtaaccatt	ctttttatca	cctactctat	taccacaaat	10500
ccatttcatg	gtttgtctta	taaagtccct	gattgtttgc	ttgatttttc	ctatgctgtt	10560
aagtaagttc	tttgaatttt	gtttcaaagg	ctgggaaatt	tatgactata	aataatttata	10620
ttctaagaaa	gttgaatgtg	tttaattgat	attttaaagg	gttaaaaata	gcagcagttc	10680
attacaaagt	aaatgagaaa	atgttttaact	aattaaata	accattatgt	ttgtttttta	10740
agtttaattt	atgtgcagat	ttacagaaat	aacaagctct	ttgttcaagt	tctagttctg	10800
ttgaaacctt	cctgttgctg	tatatgttac	cggaaagtta	gattaactga	tttggtttaag	10860
aatatcaatt	gattttctgt	tttaaatgtt	atacttctct	tgtcattaat	agcctgttta	10920
cattaaaact	tacccttagg	gagtgatgat	gaatacagtg	atgatgatga	catgagttgg	10980
aaagtgagac	gtgcagctgc	gaagtgcctt	gatgctgtag	ttagcacaag	gcatgaaatg	11040
cttcacagaat	tctacaagac	cgtctctcct	gcactaatat	ccagatttaa	agagcgtgaa	11100
gagaatgtaa	aggcagatgt	ttttcacgca	tacctttctc	ttttgaagca	aactcgtcct	11160
gtacaaagtt	ggctatgtga	ccctgatgca	atggagcagg	gagaaacacc	tttaacaatg	11220
cttcagagtc	aggggggttt	taaagttaa	tttagaaaat	catgatagta	aatgcaatgc	11280
ttttaaaatt	gtctttatat	ggaaagggtg	gttccagaat	atctatagag	aagcagaaag	11340
ttctaggata	tgtttatata	gttaatgcat	gttcatatta	tgtagttgt	aaactattct	11400
aattgaatta	ttcttggtct	tacatgataa	tatttaaata	attttaagat	tcagtaaagt	11460
agtctttatc	tttgatgtta	atagagaagt	cttagagctg	tggagtcata	ctacttgcca	11520
tcacataact	gacttcatth	ctaatttagg	tgtgtgatct	tgggcaagtt	atthagtcat	11580
tttattaaac	ctcacttttc	ttatttgtaa	taagaacgta	cttagaaata	tctacctgtg	11640
gttgatgagc	ctggatgatc	tgtgtagagc	attcagtgta	gtgcctacta	catatatgct	11700
tgatatatgc	cagtacttac	taataaaaata	cacatttttt	cacttgaggg	catttgtttt	11760
ctaagatcct	aaacattaga	gctattatat	gctcccattt	attgaatatt	tattacatac	11820
caggcattct	cctatcttat	atgtaatctc	tacagcagcc	ctatgggatg	cacaaatagt	11880
aggtaatttt	ttatagatta	caaaacagat	attgccaggg	attaaaccag	tggagaggac	11940
gggacacaca	tactgtatct	atcttgtttt	taagtagtac	aaataaatac	atttttgtgg	12000
tgaacttact	cataaagggt	aatgttgaag	attaattgta	gaaggaaatg	agataaagtg	12060
tatggaggac	atatgcaagt	gagtgaagtat	atagaagtca	ggtattgtct	agtagagttg	12120
ccaggaattc	tgacaatgct	atggaaagtt	agacattttt	tttgttttgt	ctagttctta	12180
gatcattgtg	taattagggt	atgtgtccat	atgttttggt	tgttgggatt	tttcttggtc	12240
ttttgttttt	actctgtact	tgctttgctg	ttgaggtatt	ctagaagctc	cgttgatagc	12300
tttgcacccg	taagatttgt	tagtagagac	cctgtttgtt	ttactgacta	gcaaaacatt	12360
aggaagttta	gagcagatgt	cttttaatca	taccctgtct	gcttgtagct	acatttgaag	12420
tgaggttgat	tccttctaac	agcaaagga	aagtaagaaa	aggacctgtt	cgatgggtgc	12480
ttttccataa	tttgtcttgt	ttcctttgat	ttttatctgt	gctgttgtca	ttcaaaatac	12540
catttataaa	ttaacctcct	aaatttttta	ttgaaaatat	gatttgatta	atttctttct	12600
ttctcttttt	tttttttttt	gagatggagt	cttgctctgt	tgccaggctg	gagcgcagtg	12660
gtgctatctc	ggctcactgc	aacctccacc	tcctgggttc	aagcgattct	cctgtctcag	12720
cctcccagat	agctgggagt	acaggcatgc	accaccacgc	ccagctaatt	tttgtatttt	12780

taatagagac	agggtttcac	catgttggcc	agaatggtct	cgatttcttg	acctcgtgat	12840
ctgcctgcct	cagcctccca	aagtgcctggg	attacaggcg	tgagccactg	tgcccagcct	12900
attaatttct	ttttagtcac	gtatgtttca	caattaaanaa	ttaagtaggg	aagactatct	12960
tgttgctctc	tggaagcta	aatgatagct	tttctgtaat	ttcttatcag	tatcaagcaa	13020
atatagtac	aagagaacat	atataatata	tgcaacaaac	ttgatcttgt	gttagcaata	13080
gcaatagata	gctgaattag	gaatttaaca	aaaaaagata	aactcttccc	tttatcctca	13140
ttctccataa	ttcatgttaa	gtgtactgag	gaaataccaa	cagctgaacc	agctaataac	13200
tatatgataa	ttgcagggtc	ccaacattgt	taaagctctt	cacaaacaga	tgaaagaaaa	13260
aagtgtgaag	acccgacagt	gttggtttta	catgttaact	gagctggtaa	atgtattacc	13320
tggggccccta	actcaacaca	ttcctgtact	tgtaccagggt	atgaaagaaa	cataaatctc	13380
ttttgggact	tattgtagcc	ttttgttag	gacttagata	agcttaataa	attgtttcct	13440
tttaaaggaa	tatatgtgac	aacttaatat	gcacatagag	ctaacttttt	aatctaacaa	13500
tcttgaatac	ctgaagttag	aaatttgtaa	gtaaaagggt	aaaagctctc	ccctaaaata	13560
tttggtctga	atattttattg	tagatgggtga	aaatttctac	ttatagaaat	aatataatga	13620
agtgggaaca	ttagcagtag	tataggggtt	gatttttaata	ttttctttct	taaaagctctg	13680
cacagcaatg	attggatttt	ttgttggtt	tttaggaatc	atcttctcac	tgaatgataa	13740
atcaagctca	tcgaatttga	agatcgatgc	ttgtcatgt	ctatacgtaa	tcctctgtaa	13800
ccattctcct	caagtcttcc	atcctcacgt	tcaggctttg	gttctctccag	tggtggcttg	13860
tggtggagac	ccattttaca	aaattacatc	tgaagcactt	cttggtactc	aacagcttgt	13920
caaagtaatt	cgctccttag	atcagccttc	ctcgtttgat	gcaactcctt	atatcaaaga	13980
tctattttacc	tgtaccatta	agagattaaa	agcagctgac	attgatcagg	aagtcaagga	14040
aagggtctatt	tctgttatgg	gacaaattat	ttgcaacctt	ggagacaatt	tggtttctga	14100
cttgccctaat	acacttcaga	ttttcttgga	gagactaaag	aatgaaatta	ccaggttaac	14160
tacagtaaag	gcattgacac	tgattgctgg	gtcacctttg	aagatagatt	tgaggcctgt	14220
tctggggagaa	gggggttcta	tccttgcttc	atttcttaga	aaaaaccaga	gagctttgaa	14280
actgggtact	ctttctgccc	ttgatattct	aataaaaaac	tatagtgaac	gcttgacagc	14340
tgccatgatt	gatgcagttc	tagatgagct	cccacctctt	atcagcgaaa	gtgatatgca	14400
tgtttcacaa	atggccatca	gttttcttac	cactttggca	aaagtataat	cctcctccct	14460
ttcaaagata	agtggatcca	ttctcaatga	acttattgga	cttggtgagat	cacccttatt	14520
gcagggggga	gctcttagtg	ccatgctaga	ctttttccaa	gctctgggtg	tcactggaac	14580
aaataattta	ggatacatgg	attgtttgct	catgctgact	ggtccagttt	actctcagag	14640
cacagctctt	actcataagc	agtcttatta	ttccattgcc	aaatgtgtag	ctgcccttac	14700
tcgagcatgc	cctaaagagg	gaccagctgt	agtaggtcag	tttattcaag	atgtcaagaa	14760
ctcaagggtct	acagattcca	ttcgtctctt	agctctactt	tctcttgagg	aagttgggca	14820
tcataattgac	ttaagtggac	agttggaact	aaaactctga	atactagaag	ctttctcatc	14880
tccatgtgaa	gaagtcaaata	cagctgcac	ctatgcatta	ggcagcatta	gtgtgggcaa	14940
ccttcctgaa	tatctgccgt	ttgtcctgca	agaaataact	agtcaaccca	aaaggcagta	15000
tcttttactt	cattccttga	aggaaattat	tagctctgca	tcagtgggtg	gccttaaacc	15060
atatgttgaa	aacatctggg	ccttattact	aaagcactgt	gagtgtgcag	aggaaggaac	15120
cagaaatggt	gttgctgaat	gtctaggaaa	actcactcta	attgatccag	aaactctcct	15180
tccacgggctt	aaggggtact	tgatatcagg	taggtatcta	gattttctta	cttaaaaagt	15240
tttttattga	tagttgggtg	ccttaaaaaga	cacctaataa	agaagttaag	ccatgtctat	15300
attttcttaa	acctaaaagc	taagtatgtg	atgaagaaaa	actgtctttc	gtagtatgga	15360
gtgatattca	aatgacattt	tggtgtttta	aaggatagtg	tggttaattag	ataatgggtta	15420
aatctgtttct	aattcctcat	gataactaca	ttttaatgtt	actatatattg	gttaaaatgt	15480
ggaaaagatg	tatctaataa	attaacataa	tctgaagagc	ttgttgatac	taattacaat	15540
aagtataatt	ggtgacagta	cttttttcaa	atggaagatt	ctggaagagt	tttcagattt	15600
accagtgtca	tccccattag	aacaagtaaa	aggtagtaat	attaatagca	gtaatagcca	15660
ttcattctta	gacattgctt	tctgttttag	taaaaaattt	gaagattttt	aagcgggttt	15720
ggatttagct	agttctattt	tgtgagggcg	agatcgtcca	ctgctgcttc	aagtccctcc	15780
ttcccagaag	gaattgtttc	tttgaaatct	aatgggatta	tattttgtgc	tcataagtaa	15840
gttaattttg	ctcctttgga	ttcatgtgtg	caataagaaa	taccttctt	ggccaaggag	15900
aattctaagg	cattgaagac	actggtgtta	tttgaagtgg	tttaaaaatg	atgtccgtga	15960
gttttagtgg	actacatacc	aatagacttg	caattttatt	tttaactaggc	tcatcatatg	16020
cccgaagctc	agtggttacg	gctgtgaaat	ttacaatttc	tgaccatcca	caacctattg	16080
atccactggt	aaagaactgc	ataggt				16106

<210> 12678  
 <211> 299  
 <212> DNA

<213> Homo sapiens

<400> 12678

gggtaagttt	ttgaagatag	gggccatact	gtcttttgta	ttcaataatt	ttgaatacag	60
tgacttctta	atataggggt	ccttaaacc	tgggccatgg	accatacag	atccttggcc	120
tggtgggaac	tggtgtgtac	agcaggagga	gagcagaggg	cgagccagca	ttactgcctg	180
agctttgcct	cctgtcagat	cagcgggtggc	attcgattct	cataggagca	cgaaccctat	240
cgtaaacgtg	gtgtgcaagg	catctaggtt	gcatgtctct	tatgagaatc	tagtgccctg	299

<210> 12679

<211> 2600

<212> DNA

<213> Homo sapiens

<400> 12679

agtcattggct	cactgtagcc	tcgacatcct	acctcaactt	ccgcagtagc	tgagactaca	60
ggcagcgacc	accactaact	aacgcacctg	gctaactttt	gaaaattttg	tgtagagatg	120
aggctcttgta	tggtgcccag	gctgatctca	aactcctgga	ctcaagtgat	ttgcctgcct	180
cagcctccta	aaatgctgga	ttacaggcat	gagccccc	gcccacacga	cagaacctct	240
ttagaacatg	actgttaaag	ctgatatctg	gatacttttg	attttaatag	caataacaac	300
aataataaag	actgggtggg	actgaacttt	taaaatactc	ttgctattgt	tcagtgtggt	360
ttcagctttg	ctcaggccta	tatgaagttt	acctttggga	gaaaatgaaa	ccttgtccaa	420
tggtgtctata	gcttatacca	catgccgtat	tcctatctat	gctatgcctc	ttatctcttc	480
tgccagtagt	ttttctcccc	agaatctgtg	cacattaaat	ttcatttttc	cagtagttca	540
tttttagaat	ctttgcttca	gtgatgaatt	gaaaagttaa	aaaaaatctg	atcgcttgta	600
agtaatttga	gaagtctctc	gacccacctt	acctgtttat	tgtgcagtag	tattatgagg	660
gagagtaaat	caatgttata	tggttctgca	aaagcagcaa	attacaggag	aaacatgaga	720
aaagtcacat	ctagtttgtc	caaaagacat	tatctcttta	tgaggacctt	ttttattaat	780
gtaactgttt	ttaaatagga	ttaatcaact	ttattataaa	cttatgaaaa	gtgccgaatc	840
aggctcagtg	gctatataaa	aatacgcgaag	gtcattagaa	gcttattgga	cctgttgagt	900
atgggttctt	ttcttgaatt	ttagtgatga	taacctcaca	catagttaag	tgaacttcgt	960
gcctgaagat	gggggtcctg	cctagacaaa	tgagcaaaaa	tggtgtcttt	ttcctgaact	1020
ggaaaagcta	gtttacagag	tgatgacttc	tttgtgatta	aagttaccag	tttctgtaag	1080
tatggaacac	atcgcttctc	cattaagtgtg	gaagcttggt	aatcagctga	ttttaacggt	1140
caccattaca	ctggagtgtt	gggttcata	ttagtcttta	atctttctat	catgtttaag	1200
tttctcatga	ttctcagaaa	taaaactgga	agaaatggat	gtgcattcct	ttctctcctg	1260
attctgttat	ttaaattggt	aatcctacag	gggttctggt	tgattttggt	ttgtgttttt	1320
gccccacgag	aaagctaaag	aaactttttg	acattttaaa	gatgagtgtg	tactcctccc	1380
ttccctttcc	cctccctcct	cctccctcct	ccctttggcg	ccccctcccc	ctcattttct	1440
ggaaatttga	cttttttttc	tgatcatcgt	ttgaaattac	tttattcagt	tatatcattc	1500
tttccaagtt	tcagcttatt	ttgtaagcaa	ttctcttttt	tcctgttctc	attaccactg	1560
ttgttgatct	tggtcaacag	tggtaatggt	ctcgctttga	aaataatttt	caggggctctg	1620
tgtttctcag	cctcactaag	tggtgtgaag	cactgggttaa	acagaagaca	gttaagtagc	1680
tagtaagcca	ataactgtca	tggaatagac	agagacaaca	caagttctga	catagatcaa	1740
cctagtttgt	gtataaatac	aaattttaaat	aatattttaa	tagaaatctc	tatttcagtg	1800
gtccccaatt	ttttttggca	ccagggaactg	gttttggtgga	agacagtttt	ttcatggacc	1860
tggtgggagga	ggggatgtga	tggttgaggg	gatgattcaa	gcgcattaca	tttatcatgc	1920
actttatttc	tggtattact	gcactgtaat	atataatgaa	ataattatac	aactcaccat	1980
aatgtagagt	tagtgggagc	cctgagcttg	ttttcctgca	gctaaccagt	cccatcaggg	2040
ggtgatggga	gacagtgcac	gatcatcaaa	cattagattc	acataaggag	cctagatccc	2100
tcacatacgc	aggttcacgat	agggttcacg	ctcctgtgag	aatctagtgc	caccgttgat	2160
ccgacaggag	gcggaattca	gggtggtaatg	caagcagtg	ggagcagctg	taaatacaga	2220
tgaagcttca	ctctctagcc	tgcaacttact	tcctactgtg	tgccctaaca	cgccatagac	2280
tggtactggt	ttgtggcatg	ggagtgtggg	acccctgctt	tatttaatac	cttataactt	2340
ataatcactt	agatgctcta	agtcactctg	ggggtgagaa	ggttggaata	gaaaaagtac	2400
attagttagt	gagtaaagat	tatctgggat	tggttcttag	atgaggatct	atttgatggt	2460
ggtgttggtc	tactgtgaac	taaatataac	tgcatgtgag	cctaagcgca	gatgtctgcg	2520
tcattggtta	ttactcctgt	gttcgtttca	aggagctcct	gtgataacctg	ctgtctccac	2580
ctaaaaaaaa	aaaaaaaaaa					2600

<210> 12680  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 12680  
 tgctgggaac acaggtgtga gtcactgcac ccagcctatt tatttatattt taataattaa 60  
 gttgtacata ataattattca tgatgcacct gcataagaca ggtttatattt attatcagat 120  
 attacctccc atattgtatg gaattttttaa taacagttgt agctgatgct ccatttttga 180  
 gtctgatagt ttcactttgt catattttta tctatttcta tggcttttat aaatattttt 240  
 ga 242

<210> 12681  
 <211> 2109  
 <212> DNA  
 <213> Homo sapiens

<400> 12681  
 ctccgcactg gctgactgat tttatagtct tgctctctag agaagcccag gcatggatct 60  
 tataggaaaa ctttctgact ctgcttggcc attttatcct tttctcctac ttctgcccac 120  
 gagacctgaa ttgctgccat agaggacagt gtttgtgtgg tctcctgagt ccacatcgct 180  
 cgcttccatg gggctcccggt gttgtttttg cctcgttccc cataggctgc tgcccttatg 240  
 gcctctggac tgaactctgg ggccttttgg gtgggtgtgaa ggagtctgtg ggcttcttgg 300  
 aacacatgga tctgttcggg gggctccccag acctctgctc ccagagctca tggcccaggt 360  
 ggtgaggagg gaaaggcagt cagattccag gctggagtgt gattctgtgg gaatactggg 420  
 gtcagttatg gaacaggact tgcccatcat aggtaagtga gacagcaaat agatgattca 480  
 agagcaagga ttactgcggg aagggtgagac tctactgtc cacgcgcatg agcagaacct 540  
 ggaaccagag gggcagggac caggggtctt tactcattta ttttatgggt aaagagacat 600  
 gaagagacag cctctctctt ctgtctcaga agctctgtgt ttgggaaact ttgagcccag 660  
 tgagtagcag ggtctgcagt gtgagtacca ggtttccctg gcaatccagg tctcctctga 720  
 ggaagcattc tgacttccca ctgaccacgg aaggcatgtc agcttcatgc ctggggctag 780  
 agttctgata atcggggctg aggggtgaaa agaaatccag tcagacagac agtggggaga 840  
 caggctccctg ccctttattt gcgggatcaa tcagggactc ccagaaagga aggagaatgg 900  
 tgagaagggc cctaagagtt cgtctctcac ctgggggctg gtgacgtggt caccacaagc 960  
 tgaagacagg ctaatggggg ggcggtgtgt tgtttaaac tcacgtgcct ggaagctgca 1020  
 cattgaccaaa aggagggagg gaagtgttaa ccatgtatag agtgggcagg cggttccagg 1080  
 gagacaagca gcatgttatt aaattggggc taggcagttg gacgataatg gagaaaaagc 1140  
 agggatgcta taatgagtcc tccccagggt tgagttcagc accccagccc tgttctgctt 1200  
 gtatcccagt gatacttggg aggtaggaag aaaatgggag taagagaaca atttggggct 1260  
 gaagggagtg tcagaggcac gttgatcctt gttttgttgt catggaaact tcggggctgg 1320  
 tgggacttag gccaaaagct cagaggcaca gccaaaattt agaagcttgc tactcctacg 1380  
 actcggccta taagggaagag agaagctgtc tgtacttttg ggactacatt gctgaaggaa 1440  
 aaaaatcact ccctgggctaa ttaagattgc ttccaaattg ggggaatgtg tgtcatttcc 1500  
 tttaccaagg ccagtcaccc ctgcttccac ccatggtcag gacagtcagc cactacgtga 1560  
 tgctgtataa attggattac aaaccatatt cttgttcagc ttgcactaat ctatataaat 1620  
 aaaatatgta ctttgaaaaa aattaggcta catgagtttc aaatggactg tgatgttata 1680  
 gacctgcttt ctcttttggt ctgggcccagt gtcagacggg gacaggggtg ataggcctgg 1740  
 tgtcctaggg gccatttgtg taccttgagg ccgtgttaac atggcctggg ggaaagaaaag 1800  
 ctctcctgtc acttgaggtc tcattcctaa accctccttc ccagggagca agtgtggggc 1860  
 agggtttcag agcacaggct ttggtgtcca gcctgggtac atccagctgt cccgctgtct 1920  
 aactgacatt gtgtgagatg cttactctct ctgagctccc tctcctggc tcccaacttt 1980  
 attataaaat ggggaaaatg attgtgcttg ccctacagaa ttgtagtatg aattaaaagt 2040  
 ctggattttaa tgtattttaat atagaaaatt ttagctttta ttaataaaaag tttttggcat 2100  
 acaagtcaa 2109

<210> 12682  
 <211> 2108  
 <212> DNA



1. Study of 1970-1971		2. Study of 1972-1973		3. Study of 1974-1975		4. Study of 1976-1977		5. Study of 1978-1979		6. Study of 1980-1981		7. Study of 1982-1983		8. Study of 1984-1985		9. Study of 1986-1987		10. Study of 1988-1989		11. Study of 1990-1991		12. Study of 1992-1993		13. Study of 1994-1995		14. Study of 1996-1997		15. Study of 1998-1999		16. Study of 2000-2001		17. Study of 2002-2003		18. Study of 2004-2005		19. Study of 2006-2007		20. Study of 2008-2009		21. Study of 2010-2011		22. Study of 2012-2013		23. Study of 2014-2015		24. Study of 2016-2017		25. Study of 2018-2019		26. Study of 2020-2021		27. Study of 2022-2023		28. Study of 2024-2025		29. Study of 2026-2027		30. Study of 2028-2029		31. Study of 2030-2031		32. Study of 2032-2033		33. Study of 2034-2035		34. Study of 2036-2037		35. Study of 2038-2039		36. Study of 2040-2041		37. Study of 2042-2043		38. Study of 2044-2045		39. Study of 2046-2047		40. Study of 2048-2049		41. Study of 2050-2051		42. Study of 2052-2053		43. Study of 2054-2055		44. Study of 2056-2057		45. Study of 2058-2059		46. Study of 2060-2061		47. Study of 2062-2063		48. Study of 2064-2065		49. Study of 2066-2067		50. Study of 2068-2069		51. Study of 2070-2071		52. Study of 2072-2073		53. Study of 2074-2075		54. Study of 2076-2077		55. Study of 2078-2079		56. Study of 2080-2081		57. Study of 2082-2083		58. Study of 2084-2085		59. Study of 2086-2087		60. Study of 2088-2089		61. Study of 2090-2091		62. Study of 2092-2093		63. Study of 2094-2095		64. Study of 2096-2097		65. Study of 2098-2099		66. Study of 2100-2101		67. Study of 2102-2103		68. Study of 2104-2105		69. Study of 2106-2107		70. Study of 2108-2109		71. Study of 2110-2111		72. Study of 2112-2113		73. Study of 2114-2115		74. Study of 2116-2117		75. Study of 2118-2119		76. Study of 2120-2121		77. Study of 2122-2123		78. Study of 2124-2125		79. Study of 2126-2127		80. Study of 2128-2129		81. Study of 2130-2131		82. Study of 2132-2133		83. Study of 2134-2135		84. Study of 2136-2137		85. Study of 2138-2139		86. Study of 2140-2141		87. Study of 2142-2143		88. Study of 2144-2145		89. Study of 2146-2147		90. Study of 2148-2149		91. Study of 2150-2151		92. Study of 2152-2153		93. Study of 2154-2155		94. Study of 2156-2157		95. Study of 2158-2159		96. Study of 2160-2161		97. Study of 2162-2163		98. Study of 2164-2165		99. Study of 2166-2167		100. Study of 2168-2169		101. Study of 2170-2171		102. Study of 2172-2173		103. Study of 2174-2175		104. Study of 2176-2177		105. Study of 2178-2179		106. Study of 2180-2181		107. Study of 2182-2183		108. Study of 2184-2185		109. Study of 2186-2187		110. Study of 2188-2189		111. Study of 2190-2191		112. Study of 2192-2193		113. Study of 2194-2195		114. Study of 2196-2197		115. Study of 2198-2199		116. Study of 2200-2201		117. Study of 2202-2203		118. Study of 2204-2205		119. Study of 2206-2207		120. Study of 2208-2209		121. Study of 2210-2211		122. Study of 2212-2213		123. Study of 2214-2215		124. Study of 2216-2217		125. Study of 2218-2219		126. Study of 2220-2221		127. Study of 2222-2223		128. Study of 2224-2225		129. Study of 2226-2227		130. Study of 2228-2229		131. Study of 2230-2231		132. Study of 2232-2233		133. Study of 2234-2235		134. Study of 2236-2237		135. Study of 2238-2239		136. Study of 2240-2241		137. Study of 2242-2243		138. Study of 2244-2245		139. Study of 2246-2247		140. Study of 2248-2249		141. Study of 2250-2251		142. Study of 2252-2253		143. Study of 2254-2255		144. Study of 2256-2257		145. Study of 2258-2259		146. Study of 2260-2261		147. Study of 2262-2263		148. Study of 2264-2265		149. Study of 2266-2267		150. Study of 2268-2269		151. Study of 2270-2271		152. Study of 2272-2273		153. Study of 2274-2275		154. Study of 2276-2277		155. Study of 2278-2279		156. Study of 2280-2281		157. Study of 2282-2283		158. Study of 2284-2285		159. Study of 2286-2287		160. Study of 2288-2289		161. Study of 2290-2291		162. Study of 2292-2293		163. Study of 2294-2295		164. Study of 2296-2297		165. Study of 2298-2299		166. Study of 2300-2301		167. Study of 2302-2303		168. Study of 2304-	
-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	-----------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	-------------------------	--	---------------------	--

ctccgcactg	gctgactgat	tttatagtct	tgtctctctag	agaagcccg	gcatggatct	60
tatagaaaa	ctttctgact	ctgcttgccc	attttatcct	tttctctac	ttctgcccaa	120
gagacctgaa	ttgctgccat	agaggacagt	gtttgtgtgg	tctcctgagt	ccacatcgct	180
cgcttccatg	gggtcccggg	gttgtttttg	cctcgttccc	cataggctgc	tgcccttatg	240
gcctctggac	tgaactctgg	ggcctttggg	gtggtgtgaa	ggagtctgtg	ggcttcttgg	300
aacacatgga	tctgttcggg	gggtccccag	acctctgtct	ccagagctca	tgccccaggt	360
ggtgaggagg	gaaaggcagt	cagattccag	gctggagtg	gattctgtgg	gaatactggg	420
gtcagttatg	gaacaggact	tgccccatcat	aggtaagtga	gacagcaaat	agatgattca	480
agagcaagga	ttactgcggg	aaggctgagac	tctactgtgc	cacgcgatg	aacagaacct	540
ggaaccagag	gggcaggggac	caggggtcct	tactcattta	ttttatgggt	aaagagacat	600
gaagagacag	cctctctctt	ctgtctcaga	agctctgtgt	ttgggaaact	ttgagcccg	660
tgagtagcag	ggtctgcagt	gtgagtacca	ggtttccctg	gcaatccagg	tctcctctga	720
ggaagcattc	tgacttccca	ctgaccacgg	aaggcatgtc	agcttcatgc	ctcgggctag	780
agttctgata	atcggggctg	aggggtgaaa	agaaatccag	tcagacagac	agtggggaga	840
caggtccctg	ccctttatct	gcgggatcaa	tcaggggactc	ccagaaaagg	aggagaatgg	900
tgagaagggc	cctaagagtt	cgtctctcac	ctgggggctg	gtgacgtggt	caccacaagc	960
tgaagacagg	ctaattgggtt	ggcgggtgtg	tgtttaaact	tacgtgacct	ggaagtgcga	1020
cattgaccaa	aggagggagg	gaagtgtctaa	cctgtatag	agtgggcagg	cggttccagg	1080
gagacaagca	gcattgtatt	aaattggggc	taggcagttg	gacgataatg	gagaaaaagc	1140
agggatgcta	taatgagtc	tccccagggt	tgagttcagc	accccagccc	tgttctgctt	1200
gtatcccagt	gatacttggg	aggtaggaag	aaaatgggag	taagagaaca	atttggggct	1260
gaagggagtg	tcagaggcac	gttgatcctt	gttttgttgt	catggaaact	tcggggctgg	1320
tgggacttag	gccaaaagct	cagaggcaca	gccaaaattt	agaagcttgc	tactcctacg	1380
actcggccta	taaggaagag	agaagctgtc	tgtactttgg	ggactacatt	gctgaaggaa	1440
aaaaatcact	cccttggtct	ttaagattgc	ttccaaattg	ggggaatgtg	tgctatttcc	1500
tttaccagg	ccagtcattc	ctgctttcac	ccatggtcag	gacagtcagc	cactacgtga	1560
tgtgtataa	attggattac	aaaccatatt	cttgttcagc	ttgactaat	ctatataaat	1620
aaaaatatgta	ctttgaaaaa	aattaggcta	catgagtttc	aaatggactg	tgatgttata	1680
gacctgcttt	ctcttttggt	ctgggccagt	gtcagacggg	gacaggggtg	ataggcctgg	1740
tgtcctaggg	gccattttgt	taccttgagg	ccgtgttaac	atggcctggg	ggaaagaaag	1800
ctctcctgtc	acttgagtc	tcattcctaa	accctccttc	ccagggagca	agtgtggggc	1860
agggtttcag	agcacaggct	ttggtgtcca	gcctgggtac	atccagctgt	cccgtgtct	1920
aactgacatt	gtgtgagatg	cttactctct	ctgagctccc	tctcctggc	tcccaacttt	1980
attataaaatg	gggaaaaatga	ttgtgcttgc	cctacagaat	tgtagtatga	attaaaagtc	2040
tggatttaatt	gtattttaata	tagaaaattt	tagcttttat	taataaaagt	ttttggcata	2100
caagtcaa						2108

<211> 2108

<213> Homo sapiens

ctccgcactg	gctgactgat	tttatagtct	tgctctctag	agaagcccag	gcatggatct	60
tataggaaaa	ctttctgact	ctgcttggcc	attttatcct	tttctcctac	ttctgcccaa	120
gagacctgaa	ttgctgccat	agaggacagt	gtttgtgtgg	tctcctgagt	ccacatcgct	180
cgcttccatg	gggtcccggg	gttgtttttg	cctcggtccc	cataggctgc	tgcccttatg	240
gcctctggac	tgaactctgg	ggcctttggg	gtggtgtgaa	ggagtctgtg	ggcttcttgg	300
aacacatgga	tctgttcggg	gggtcccccag	acctctgtct	ccagagctca	tggcccaggt	360
ggtgaggagg	gaaaggcagt	cgattccag	gctggagtgt	gattctgtgg	gaatactggg	420
gtcagttatg	gaacaggact	tgcccatcat	aggtaagtga	gacagcaaat	agatgattca	480
agagcaagga	ttactgcggg	aagggtgagac	tcctactgtc	cacgcgcatg	agcagaacct	540
ggaaccagag	gggcagggac	caggggtctt	tactcattta	ttttatgggt	aaagagacat	600
gaagagacag	cctctctctt	ctgtctcaga	agctctgtgt	ttgggaaact	ttgagcccg	660
tgagttagcag	ggtctgcagt	gtgagtagca	ggtttccctg	gcaatccagg	tctcctctga	720
ggaagcattc	tgacttccca	ctgaccacgg	aaggcatgtc	agcttcattg	ctcgggctag	780
agttctgata	atcggggctg	aggggtgaaa	agaaatccag	tcagacagac	agtggggaga	840

cagggtccctg	cccttttattt	gcggggatcaa	tcaggggactc	ccagaaagga	aggagaatgg	900
tgagaagggc	cctaagagtt	cgtctctcac	ctgggggctg	gtgacgtggt	caccacaagc	960
tgaagacagg	ctaattgggtt	ggcgggtgtg	tgttttaaacc	tcacgtgcct	ggaagctgca	1020
cattgacca	aggagggagg	gaagtgtctaa	ccatgtatag	agtgggcagg	cggttccagg	1080
gagacaagca	gcatgttatt	aaattggggc	taggcagttg	gacgataatg	gagaaaaagc	1140
agggatgcta	taatgagtc	tccccaaggg	tgagttcagc	accccagccc	tgttctgctt	1200
gtatcccagt	gatacttggg	aggtaggaag	aaaatggggag	taagagaaca	atttggggct	1260
gaagggagt	tcagaggcac	gttgatcctt	gttttgttgt	catggaaact	tcggggctgg	1320
tgggacttag	gccaaaagct	cagaggcaca	gccaaaattt	agaagcttgc	tactcctacg	1380
actcggccta	taaggaagag	agaagctgtc	tgtactttgg	ggactacatt	gctgaaggaa	1440
aaaaatcact	ccctggctaa	ttaagattgc	ttccaaattg	ggggaatgtg	tgtcatttcc	1500
tttaccagg	ccagtcaccc	ctgcttccac	ccatggtcag	gacagtcagc	cactacgtga	1560
tgctgtataa	attggattac	aaacccatatt	cttggttcagc	ttgcactaat	ctatataaat	1620
aaaatatgta	ctttgaaaaa	aattaggcta	catgagtttc	aaatggactg	tgatgttata	1680
gacctgcttt	ctcttttggt	ctggggccagt	gtcagacggg	gacaggggtg	ataggcctgg	1740
tgtcctagg	gccatttgtg	taccttgagg	ccgtgttaac	atggcctggg	ggaaagaaag	1800
ctctcctgtc	acttggagtc	tcattcctaa	accctccttc	ccagggagca	agtgtggggc	1860
aggggtttc	agcacaggct	ttgggtgtcc	gcctgggtac	atccagatgt	cccgtgtct	1920
aactgacatt	gtgtgagatg	cttactctct	ctgagctccc	tcctcctggc	tcccaacttt	1980
attataaatg	gggaaaatga	ttgtgcttgc	cctacagaat	tgtagtatga	attaaaagtc	2040
tggatttaat	gtattttaata	tagaaaattt	tagcttttat	taataaaagt	ttttggcata	2100
caagtcaa						2108

<210> 12684  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 12684						
gcagaggaca	gctggaaagg	aagagctggg	gcggaggaca	gctggaaagg	aggtacctaa	60
tgtgtcctta	gataacagg	tctgaaaccc	agtgcagg	tctccaaaac	cagggtaaga	120
ggaggcataa	acccagagac	cccagcccag	gccagagtga	acagtggtag	gaggggaaca	180
ggatctcccg	ggttggaaca	ggggctctca	gctctttggc	actgcagcag	aggggtcgc	240
tctgagtaaa	ggcagaaacc	tgggaatgtt	gggtggggag	acatccagt	agagcaaaag	300
aaatggaaaa	actaagtctg	cagtgatctt	tggcttctct	gcctctttag	tgttactgt	360
ctatcctttt	ctccatgggc	ttatgctcag	gatatgtttg	gagtgaagg	ttaaaggggc	420
tctggcacca	tgcagagggt	tcctagacca	gggtctttac	tcttcattaa	gagatgaaga	480
ggttataag						489

<210> 12685  
 <211> 7163  
 <212> DNA  
 <213> Homo sapiens

<400> 12685						
cacaatcgaa	cccaccaccc	tgacgtatct	gctgctcaga	accaccgatc	ttccaagttc	60
tcatacactcc	agtgcagctc	ctgtgacaaa	accttcccca	acaccattga	gcacaagaag	120
cacatcaaag	cagaacatgc	aggtggagtt	tgggtaccgc	cggcagagag	cgggaggggc	180
ttgatgggtg	agcctcctgg	gccccaccag	aaatccccac	ttctaatagt	ctagtgtgat	240
gtgcagtggg	cattgccttt	gttctgcccc	agcgcacctg	tccgtagcag	cagcagtcag	300
tagcagcagc	ttgagtggca	gtggttctca	aacctgggaag	cgtagcgcag	tgtaaagctcc	360
caccagccct	gagtgagagc	ttgttggggc	acctgggaag	ggtgtcagcc	tcagtggtag	420
gcaggcctga	gtggaaatcc	tgattccagc	acttatcagc	tacatgacct	tggcaagtga	480
cttccctttt	ctgagcctgt	ttccttctct	ccaggatggc	agttattaaa	acctactttg	540
caggtaaatt	tgggtgataat	cacaacagct	gtcagttaca	gagtgtttcc	tatgtgcaag	600
acaccatgct	aagcacctcg	tgtatatctt	ctcatttcat	tctcacaaca	tccctctgag	660
catccaggca	gtctggatcc	agatctcatg	ctctttacca	ctagattgta	caaataatac	720
ataggttata	agattcctgg	cacttggtag	atgcttgcta	agtattggcc	atcgcccaa	780
cccagccct	gttactcttc	agccttgga	agccaacct	ttgttctttc	ccagcacgtc	840

tttcttttatg	cacttcacag	atatgaagtt	ccatgaatgt	gaccagtgtg	aggagctctt	900
ccccacgcca	gccttgctgc	aggttcatgt	caagtgccag	cattcagggtc	agtaccctctg	960
tcagcatact	tctaggctag	actcggggcc	tgaatctccc	ctccaccact	tgcagctttg	1020
caacctaggg	taaatcgctt	aacaaacctg	tgcctcggtt	tcttcatcta	taaaatggga	1080
acagttgtag	cacctgcctc	atagagtagt	gtgaaaaact	gaaggccttg	gcatcaataa	1140
gcatccctta	agccgtaact	gtgattgtca	ttgttattgc	tatactcatc	aaatctaaag	1200
tgccagttaa	aaataaataa	atacaattcc	agttataaga	tataccattt	ttattttttt	1260
tttttttgag	acagagtctc	actctgtcac	ccagcctgga	gtgcagtggt	gcgatctcag	1320
atcactgcaa	cctccatctc	ctgggttcaa	gcaattctcc	ctgacttagc	ctcccaagta	1380
gctggaatta	caggtgcctg	ccaccatgct	cgactaaata	agatgtacct	tttttttttt	1440
tttttttttg	agatggagtc	tcactctgtc	acccaggctg	gagtgcagtg	gcgcgatctc	1500
ggctcactgc	aagctccgtc	tcccagggtt	acgccattct	cctgcctcag	cctcccgagt	1560
agctgggact	acaggcgccc	accaccacac	ccgactaatt	ttttttttgt	attttttagta	1620
gagacgggg	ttcatcatgt	tagccaggat	ggtctcgatc	tcctgacctc	atgatccgcc	1680
cgcctcaccc	tcccaaagtg	ctgggattac	aggcgtgagc	cactgcgccc	agccaagatg	1740
taccattttt	aaggaactat	taaaaaagaa	aaactactgc	cagttaaact	gtgctttctt	1800
atcacttaga	atttctacgt	tattctaagt	gctgttttgg	actaatttga	catagatttt	1860
tatcatgtca	ctcactctag	tgtgcatata	tacaaaggaa	aacataaaaa	aactgattaa	1920
gggaagaatc	cagcttctca	gagtagtggt	caattcagat	tgtcaacaag	catgtttttc	1980
cacacagtg	ttactctgcc	atcaagaaca	ttgatgatgg	aacgcataat	ataagattcc	2040
atcaagaatt	gaaggccatt	cgttttggtc	tcttgagcgt	tatgtaaaac	tagtctactt	2100
ttgattcctg	ctttgggaat	atagctaacc	tttcatcact	tacttccctc	cttctaaacc	2160
atttgggttc	catgagttaa	aaacgtgcac	cattcctgtc	ttagggagtt	tcttccaagc	2220
cgtggatgcc	cattctgcaa	gtcttgatgc	tgccactttt	gatgttggtg	tgcgcattga	2280
cgattgcacc	tgactgcctt	agcccacaga	agtcataagg	tgccattgat	cctacttcag	2340
agatgttaaa	atgtatttct	tagaattgat	tagaattagt	atcgtcagca	tctttatctg	2400
cagttgaatg	aataatgggc	ttctgcagag	gcagatttgg	cctgaatctg	ataactaatga	2460
aactgtcatc	tcagggtccc	tcacttgcac	ggacccttcc	aaggctctgt	ccttgtcatt	2520
ttgtattatt	tttcttaagg	ccccccagat	tgaataacgt	tcgtgtccca	caaaatgtgg	2580
atccgcctcc	aagcctcgat	cctcattgct	ctttcctctc	atgtcttcc	gccctcattt	2640
ctctcatttt	acccagagaa	ttttacccac	agccctcccc	ttctgtctcc	ctctcctcca	2700
gggtcccagc	cattccgggtg	cttgtactgt	gctgctactt	tccgttttcc	tggagcattg	2760
cagcaccatg	tcaccacgga	gcacttcaag	cagtcagaga	ccaccttccc	ctgtgagctc	2820
tgtgggggaa	tcttcaccte	ccaggcccag	cttgacagtc	acctggaatc	tgagcaccca	2880
aaggtgatga	gcacggaaac	ccaggccgca	gcctcacaga	tggcgagagt	gattctgggg	2940
ccatcagcta	cattagaatg	ctaattgcag	gttctctaagg	cttctctaga	ggtggctctg	3000
tcatagtacc	cagagatact	ctttggggat	cttgtagaga	gtctctctgg	acttcttaca	3060
aaacagaaca	gaaaattcta	gtctcctggt	ggccacatgg	gaagtggccc	ttaggtagag	3120
ggagcctgga	acaataattt	ccaaaagagg	aacagcttgg	ttcctcctcc	cagtgcatac	3180
gtccctgcct	cctgagaaac	accgtgggg	gtgggtgagaa	ctgcgggaaa	cctcggagac	3240
agaggaacac	tttgttgggc	agggactgcc	tgcagttgaa	gtgcttgagg	agcgcctctg	3300
ggcaggacac	agtacacact	tgcacacacc	tgggcctctc	acctttacct	gggcaaaaaa	3360
accacctctt	cttgatgctt	cagggtctaa	cttgatccag	cttccctttg	cttcccagat	3420
cctctttttac	tcttcttccc	atcttctcca	gagaggggtg	gcagaaaagg	aaaataaatt	3480
caggtccatc	catcgtcagt	aatttgtggg	tgggttggag	aggaaccata	aactgattga	3540
ggtttttggtc	tgtagactg	tcccgtgtgc	cagttccaga	tcagtcattt	ataaaccagg	3600
ttcttacagg	cctctgggga	acagagggga	agtcaggtag	gcaggactcc	cgccaacact	3660
ctgctgtcat	atcaaccaaa	ggtgctctgc	ttttatcttt	tttgatatatt	atggttcttg	3720
ataatatgtc	ctttggggaa	aaggtggggc	tggggcgctc	atcttctaaaa	gaaaaagaaa	3780
gaaaagcagt	ttgaaaacta	ctatcctgga	tcattgttga	ttgaacatca	cagttgatct	3840
cttctctcct	gtagcacgga	gaagtagctg	ggcttggcct	cctcacttgt	tcctgtctct	3900
tgtctttcac	tgattctcaa	gagcaagggt	gctgtggcct	ctagttttaa	aatatcaagg	3960
gcatctagct	cttctgggat	ctatgggtta	gaaacatcaa	ctgggaggct	taggcgggaa	4020
ttggatatgc	ctaaccacag	actcattctc	tctcagttgg	aaaggtgggtc	tctaacagat	4080
tatgcagatt	tgggaaggac	ataggtgggc	tgtggaggag	agaagggggc	actggccccg	4140
ccaggctggt	gagctgaatg	aatgcgtgga	gtcacagttc	atccagtcct	cctcctaagc	4200
tcggtcactg	tgtggcctcc	tgggaaggct	gtgagcctgc	gagaggtcca	gagaggtctc	4260
cccgggcecca	cctgggcctg	tgggtggatca	atccccctcc	catgttccag	gcatgagacc	4320
agctggcttc	agtggcattc	ctctcacatg	gcactcacct	ctgcagtgtc	atcccaagac	4380
aggaaagccc	agtgtgaaaa	acagagccag	gttctcgctg	tgtataatca	tagagtcctg	4440
gcgccccgag	atggcgtact	gagcaaaatt	atagcaattt	agtgcacagt	tatttaaatt	4500

gtttgctggc	cttctctttt	gcacgcgcag	tgggttagac	ttgcctcttc	ccattaggca	4560
catgtaagt	ctctcctcag	gtgaaaacat	aaatatcatc	attacagcat	gagatgaaaa	4620
ccatgtaaat	cagggagcca	actgtgaaca	ctgcccagag	cagcctcacg	gtctttctct	4680
ttcaggtgat	ccaaacccca	gagccggttg	ccccgacaga	gcaggtgatc	actttggagg	4740
agaccagct	tgccgggtcg	caggtgtttg	tgacgttgcc	agattctcag	gcattctcagg	4800
ccagctctga	gctcgtggcg	gtgactgtgg	aggacttgct	ggatggcaca	gtgacgctga	4860
tctgtggtga	ggccaaatga	gcagcctttc	atccggcaga	gccttctctg	gtttgcagca	4920
gagaggaggc	cccacagctt	gcccttttgc	ctccatccct	ggctgtcctg	agtgggtgagc	4980
atcttagctt	agcacaacc	aacacagtct	cacctagaaa	acagatggaa	gcttcgttgt	5040
tctcatagaa	ccaacagcat	ctgagccctc	aacaccaaca	gcaccatcct	ctgtagcaga	5100
caggcctccc	tccccacagg	cccgtctgtg	cggcctctat	gacactgtcc	atccccaggt	5160
gacatgtggc	ttcagaagta	gagtcctgaa	gagcagtggt	atgggagctg	gtgaccagggt	5220
taccccagga	ggcatgatgt	gccgacagcg	ctcagtggtg	agaatggcag	ttagatatgg	5280
gacttggtcc	acagtggtgg	ctgcaaattg	tgccactgcc	tctggccatt	taaagtgaga	5340
ggggcaccaa	cagacaattc	ggggacctta	ggcccccttc	tgaggcacac	ttggccccctt	5400
cctcggctct	atcctcctac	cctctgctgg	gggtccccct	ccaccagtg	gccacgcccc	5460
gcaccctatt	gatggctata	ggacaggtag	ccctcatttc	catgcctgat	aacccttgt	5520
cagttgtcag	ctcttcccaa	aacaaagctc	tggagtctct	gctggaagtg	tttaatgtga	5580
ggcatcagct	gctagacagt	gtctgccttt	ccaggacatt	cttcttggtg	ttccttacct	5640
gaagcctggt	tcccacagct	cttcctgtgc	atcttcatcc	ccttctctta	atcaaagggt	5700
gaaatctctg	cctgacctgg	cagcctggct	ccctctgggt	catatggtgc	agactgtgac	5760
cagcaccagg	caggcagctc	tgtctgcgtg	tggaggagca	gccgtgactg	cccgtggctc	5820
tgctgccgcc	cactccctgc	cttgtgagtg	gcctgctgcc	tcacctcccg	caggccgcca	5880
cacttattgc	aggctcagtga	tcctttggag	tttgaatttc	acaaagcttt	ttttatcttc	5940
agttcctaaa	atataatctg	ataattaatg	gtttgtggaa	tccattatga	agtgaactta	6000
gatagatgta	ggttcctgcc	gtttggagag	aatgactagc	atttatcttc	ttttccttcc	6060
atgccaaagg	ttggagtctg	ctggtgcggt	gtttacacac	caggcagggtc	tgtctgccac	6120
cttgtgtggc	ttgacccctt	gtggagggtg	gtgcctgggt	ggatcccaca	ctggcagaga	6180
tggggccacc	ccttccttcc	aggcacatct	cacattgcca	tgtacagagg	caggagtcc	6240
gtttggtcac	catggaagct	tttattgctc	ccacatgggt	aggctctcacc	ctgcttgaag	6300
cgcagaaggc	acagccttac	tgaccagcac	gcccactgac	tggcatctgc	cggctttgtg	6360
caggcagccc	cgacgggttt	cacagcgagc	gccagctccg	gccagcctgg	gacagctcat	6420
cccagccgac	tacacctgct	tctggctcct	tccacatttt	gatacgaga	tcacttgagc	6480
ttgtcaatta	gggttctgcc	attctgaaat	aatgaagtt	tctaaagcag	agtcggcctc	6540
agaagccaaa	aactgaccag	aagatgggtg	tcaaaccctt	aagacttcat	ctccatgtga	6600
agggtcact	gtttctacca	aggctgtgcc	tgtattaagg	cttttccgtc	ctgggaactg	6660
tcagtctggg	agagctcttg	atctgcaggt	ggcaaaatgg	cactgaatat	ccccttggca	6720
gcagagaaaa	cccactgaaa	gatcgtagag	tggcacatgc	ttacagggtg	ttgggtgcaa	6780
gtccagtggg	tgagaatcca	gccccacaca	agctgtggga	tggggcttgg	gagttgcagt	6840
gaatgtcatt	aaaatttctt	ccaaaacaaa	actagaaata	attgctgagg	gcttatagggt	6900
aagtgattta	aaaagaaaaa	acaaacaaca	acaaaaaaaa	ctcttcggaa	taaagagggc	6960
tgtaaatatt	gaattccagt	gtcagatcct	ttcaagcact	gagaaattct	ttctcaggtt	7020
tctttttttg	ggggagacag	ggctctgtct	tgtcacccag	actggaacac	agtggcacga	7080
tcttggtcca	ctgcaacctc	tgcggtgtca	cgcaatcctc	ctgccacagc	ttcccaagta	7140
gctggggacca	caggcgtgag	cca				7163

<210> 12686  
 <211> 7161  
 <212> DNA  
 <213> Homo sapiens

<400> 12686						
cacaatcgaa	cccaccaccc	tgacgtatatt	gctgctcaga	accaccgatc	ttccaagttc	60
tcatcactcc	agtgcagctc	ctgtgacaaa	accttcccc	acaccattga	gcacaagaag	120
cacatcaaag	cagaacatgc	agggtggagtt	tgggtaccgc	cggcagagag	cgggaggggc	180
ttgatggtgt	agcctcctgg	gccccaccag	aaatccccac	ttctaatagt	ctagtgtgat	240
gtgcagtggt	cattgccttt	gttctgcccc	agcgcacctg	tccgtagcag	cagcagtcag	300
tagcagcagc	ttgagtggca	gtggttctca	aacctggaag	cgtagcgcag	tgtaaggtcc	360
caccagccct	gagtgcagag	ttgttggggc	agctgggaag	gggtgcagcc	tcagtgttag	420
gcaggcctga	gtggaaatcc	tgattccagc	acttatcagc	tacatgacct	tggcaagtga	480

cttccctttt	ctgagcctgt	ttcctttctt	ccaggatggc	agttattaaa	acctactttg	540
caggtaaatt	tgggtgataat	cacaacagct	gtcagttaca	gagtgtttcc	tatgtgcaag	600
acaccatgct	aagcacctcg	tgtatatttt	ctcatttcat	tctcacaaca	tccctctgag	660
catccaggca	gtctggatcc	agatctcatg	ctctttacca	ctagattgta	caaataatacc	720
ataggttata	agattcctgg	cacttggtag	atgcttgcta	agtattggcc	atcgcccaa	780
ccccagccct	gttactcttc	agccttggag	agccaacat	ttgttctttc	ccagcacgtc	840
tttctttatg	cacttcacag	atatgaagtt	ccatgaatgt	gaccagtgtg	aggagctctt	900
ccccacgcca	gccttgctgc	aggttcatgt	caagtgccag	cattcagggtc	agtaccctcg	960
tcagcatact	tctaggctag	actcggggcc	tgaatctccc	ctccaccact	tgcagctttg	1020
caacctaggc	taaatcgctt	aacaaacctg	tgcttcggtt	tcttcatcta	taaaatggga	1080
acagttgtag	cacctgcctc	atagagtagt	gtgaaaaact	gaaggccttg	gcatcaataa	1140
gcatccctta	agccgtaact	gtgattgtca	ttgttattgc	tatactcatc	aaatctaaag	1200
tgccagttaa	aaataaataa	atacaattcc	agttataaga	tataccattt	tttttttttt	1260
ttttttttga	gacagagtct	cactctgtca	cccagcctgg	agtgcagtg	tgcgatctca	1320
gatcactgca	acctccatct	cctgggttca	agcaattctc	cctgacttag	cctcccaagt	1380
agctggaatt	acaggtgcct	gccaccatgc	tcgactaaat	aagatgtacc	tttttatttt	1440
tttttttttt	gagatggagt	ctcactctgt	caccagggt	ggagtgcagt	ggcgtgatct	1500
cggtcactg	caacctccgc	ctcccagggt	caagcgattc	ttctgectca	gcctcccgag	1560
tagctgggac	tacaggcgtg	caccaccaca	cccggcta	tttttgtatt	tttagtagag	1620
aggggggttt	accatgttgg	ccaggctgg	ctcaaaactc	tgacctcatg	atccgcccac	1680
ctcgccctcc	caaagtgtcg	ggattacagg	cgtgagccac	tgcgcccagc	caagatgtac	1740
cacttttaag	gaactattaa	aaaagaaaaa	ctactgccag	ttaaactgtg	ctttcttatt	1800
acttagaatt	tctacgttat	tctaagtgtc	gttttggact	aatttgacat	agatttttat	1860
catgtcactc	actctagtgt	gcatacatc	aaaggaaaac	ataaaaaaac	tgattaagg	1920
aagaattccg	ctctccagag	tagtgttcaa	ttcagatgtc	caacaagcat	gtttttccac	1980
acagtgttta	tcttgcctac	aagaacattg	atgatggaa	gcataatata	agattccatc	2040
aagaattgaa	ggccattcgt	tttgggtctt	tgagcgttat	gtaaaactag	tctacttttg	2100
attcctgctt	tgggaatata	gctaaccctt	catcacttac	ttcctccctt	ctaaaccatt	2160
tggtttccat	gagttaaaaa	cgtgcaccat	tctgtcttta	gggagtctt	tccaagccgt	2220
ggatgcccac	tctgcaagtc	ttgatgctgc	cacttttgat	gttgggtgtg	gcattgacga	2280
ttgcacctga	ctgccttagc	ccacagaagt	cataagggtg	cattgatcct	acttcagaga	2340
tgttaaaatg	tattttcttag	aattgatgaa	atatagtatc	gtcagcatct	ttatctgcag	2400
ttgaatgaat	aatgggcttc	tgcagaggca	gatttgacct	gaatctgata	ctaataaaac	2460
tgctactctc	gggccccctc	cttgcattga	cccttccaa	gctctgtcct	tgtcattttg	2520
tattattttt	cttaaggccc	cccagattga	ataacgttcg	tgtcccacaa	aatgtggatc	2580
cgctccaag	cctcgatcct	cattgtctct	tcctctcatg	tcctctctgc	ctcattttct	2640
tcattttacc	cagagaattt	taccacagc	cctccccctc	tgtctccctc	tcctccagg	2700
tcccagccat	tccggtgctt	gtactgtgct	gctactttcc	gttttctctg	agcattgcag	2760
caccatgtca	ccacggagca	cttcaagcag	tcagagacca	ccttcccctg	tgagctctgt	2820
ggggaactct	tcacctccca	ggcccagctt	gacagtcacc	tggaatctga	gcacccaaag	2880
gtgatgagca	cggaaaccca	ggccgcagcc	tcacagatgg	cgcagggtgat	tctggggcca	2940
tcagctacat	tagaatgcta	atgcatggtt	cctaaggctt	ctctagaggt	ggctctgtca	3000
tagtaccacg	agatactctt	tggggatcct	gtagagagtc	tctctggact	tcttacaaaa	3060
cagaacagaa	aattctagtc	tcctgggtgc	cacatgggaa	gtggccctta	ggtagaggga	3120
gcctggaaca	ataattttcca	aaagaggaac	agcttggttc	ctcctcccag	tgcatacgtc	3180
cctgcctcct	gagaaacacc	gtgggggtgt	gtgagaactg	cgggaaacct	cggagacaga	3240
ggaacacttt	gttgggcagg	gactgcctgc	agttgaagtg	cttggagagc	gcctctgggc	3300
aggacacagt	acacacttgc	acacacctgg	gcctctcacc	tttacctggg	caaaaaaac	3360
acctcttctt	gatgcttcag	ggctaagctt	gatccagctt	ccctttgctt	cccagatcct	3420
cttttactct	tcttcccatc	ttctccagag	agggtgggca	gaaaaggaaa	ataaattcag	3480
gtccatccat	cgtcagtaat	ttgtgggtgg	gttggagagg	aaccataaac	tgattgaggt	3540
tttggctgtg	tagactgtcc	cgctgtccag	ttccagatca	gtcatttata	aaccaggttc	3600
ttacaggcct	ctgggggaaca	gagggggaagt	caggtaggca	ggactcccgc	caacactctg	3660
ctgtcatatc	aaccaaagg	gctctgcttt	tatctttttt	gtatattatg	gttcttgata	3720
atatgtcctt	tggggaaaag	gtggggctgg	ggcgtccatt	tctaaaagaa	aaagaaagaa	3780
aagcagtttg	aaaactacta	tcctggatca	ttgttgattg	aacatcacag	ttgatctctt	3840
ctctcctgta	gcacggagaa	gtagctgggc	ttggcttcct	cacttggttc	tgctctctgc	3900
tcttcaactga	ttctcaagag	caaggtggct	gtggcctcta	gtttaaaaat	atcaagggca	3960
tctagctctt	ctgggatcta	tgggttagaa	acatcaactg	ggaggcttag	gcgggaattg	4020
gatatgccta	accacagact	cattctctct	cagttggaaa	ggtggtctct	aacagattat	4080
gcagatttgg	aagggaacata	ggtgggctgt	ggaggagaga	agggggcact	ggccccgcca	4140

ggctgggtgag	ctgaatgaat	gcgtggagtc	acagttcatc	cagtcttcct	cctaagctcg	4200
gtcactgtgt	ggcctcctgg	gaaggctgtg	agcctgcgag	agggtccagag	aggctgcccc	4260
gggcccacct	gggctgtgg	tggatcaatc	ccattcccat	gttccaggca	tgagaccagc	4320
tggcttcagt	ggcattcctc	tcacatggca	ctcacctctg	cagtgtcatc	ccaagacagg	4380
aaagcccagt	gtgaaaaaca	gagccagtgt	tcgctgggtg	tataatcata	gagtccgggc	4440
gccccgagat	ggcgtactga	gcaaaattat	agcaatttag	tgcacagtta	tttaaattgt	4500
ttgctggcct	tctcttttgc	atcgccagtg	ggtttagactt	gcctcttccc	attaggcaca	4560
tgtaagtgtc	ctcctcaggt	gaaaacataa	atcatcatc	tacagcatga	gatgaaaacc	4620
atgtaaatca	gggagccaac	tgtgaacact	gccagagca	gcctcacggg	ctttctcttt	4680
caggtgatcc	aaaccccaga	gccggtggcc	ccgacagagc	agggtgatcac	tttggaggag	4740
accagcttg	ccgggtcgca	ggtgtttgtg	acgttgccag	attctcaggc	atctcaggcc	4800
agctctgagc	tcgtggcggt	gactgtggag	gacttgctgg	atggcacagt	gacgctgac	4860
tgtggtgagg	ccaaatgagc	agcctttcat	ccggcagagc	cttctgctg	ttgcagcaga	4920
gaggaggccc	cacagcttgc	cctttgccct	ccatccctgg	ctgtcctgag	tggtgagcat	4980
cttagcttag	caccaaccaa	cacagtctca	cctagaaaac	agatggaagc	ttcgttggtc	5040
tcatagaacc	aacagcatct	gagccctcaa	caccaacagc	accatcctct	gtagcagaca	5100
ggcctccctc	cccacaggcc	cgctgctgcg	gcctctatga	cactgtccat	ccccaaagtga	5160
catgtggctt	cagaagtaga	gtctgaaaga	gcagtgggat	gggagctggg	gaccagggta	5220
ccccaggagg	catgatgtgc	cgacagcgct	cagtgggcag	aatggcagtt	agatatggga	5280
cttggccccc	agtgggggct	gcaaagtctg	ccactgcctc	tggccattta	aagtgagagg	5340
ggcaccaaca	gacaattcgg	ggaccttagg	ccccctcctg	aggcacactt	ggcccccttc	5400
tcggtcctat	catcctaccc	tctgctgggg	ttccccctcc	acccagtggc	cacgcccagc	5460
accctattga	tggctatagg	acaggtagcc	ctcattttcca	tgcttgataa	ccccttgta	5520
gttgtcagct	cttcccaaaa	caaagctctg	gagtttctgc	tggaggtgtt	taatgtgagg	5580
catcagctgc	tagacagtgt	ctgectttcc	aggacattct	tcttggtatt	ccttacctga	5640
agcctgggtc	ccacagctct	tccgtgtcat	cttcatcccc	ttcctttaat	caaaggctga	5700
aatctctgcc	tgacctggca	gcctggctcc	ctctgggtca	tatgggtgcag	actgtgacca	5760
gcaccaggca	ggcagtcctg	tctgcgtgtg	gaggagcagc	cgtgactgcc	cgtggctctg	5820
ctgccgccc	ctccctgcct	tgtgagtggc	ctgctgcctc	acctcccga	ggccgccaca	5880
cttattgcag	gtcagtgate	ctttggagtt	tgaatttcac	aaagcttttt	ttatcttcag	5940
ttcctaaaat	ataatctgat	aattaatgg	ttgtggaatc	cattatgaag	tgcaattaga	6000
tagatgtagg	ttcctgccgt	ttggagagaa	tgactagcat	ttatcttctt	ttccttccat	6060
gccaaagggt	ggagtctgct	ggtgcgggtg	ttacacacca	ggcagggtctg	tctgccacct	6120
tgtgtggctt	gacccccctg	ggaggggagt	gcctgggttg	atcccacact	ggcagagatg	6180
ggggcacccc	ttccttccag	gcacatctca	cattgccatg	tacagaggca	ggagtacagt	6240
ttggtcacca	tggagctttt	tattgctccc	acatggtcag	gtctcacctc	gcttgaagcg	6300
cagaaggcac	agccttactg	accagcacgc	ccactgactg	gcatctgccg	gctttgtgca	6360
ggcagccccg	acggtttcca	cagcgagcgc	cagctccggc	cagcctggga	cagctcatcc	6420
cagccgacta	cacctgcttc	tggctcctgtc	cacattttga	tacgcagatc	acttgagctt	6480
gtcaattagg	gttctgccat	tctgaaataa	atgaagtttc	taaagcagag	tcggcctcag	6540
aagccaaaaa	ctgaccagaa	gatgggtgctc	aaacctttta	gacttcatct	ccatgtgaag	6600
ggctcactgt	ttctaccaag	gctgtgcctg	tattaaggct	ttccgctcct	gggaactgtc	6660
agtctgggag	agctcttgat	ctgcaggtgg	caaaatggca	ctgaatatcc	ccttggcagc	6720
agagaaaacc	cactgaaaga	tcgtagagtg	gcacatgctt	acagggcatt	ggtgccaaagt	6780
ccagtggatg	agaatccagc	ccctcacaag	ctgtgggatg	gggcttggga	gttgacagtga	6840
atgtcattaa	aattttcttc	aaaacaaaac	tagaaataat	tgctgagggc	ttatagggaa	6900
gtgattttaa	aagaaaaaac	aaacaacaac	aaaaaaaact	cttcggaata	aagagggctg	6960
taaattttga	attccagtgt	cagatccttt	caagcactga	gaaattcttt	ctcaggtttc	7020
tttttttggg	ggagacaggg	tcttgctctg	tcacccagac	tggacacag	tggcacgatc	7080
ttggctcact	gcaacctctg	cgggctcacg	caatcctcct	gccacagctt	cccaagtagc	7140
tgggaccaca	ggcgtgagcc	a				7161

<210> 12687

<211> 2432

<212> DNA

<213> Homo sapiens

<400> 12687

cttttgagga	gaccagctt	gccgggtcgc	agggtgtttgt	gacgttgcca	gattctcagg	60
catctcaggc	cagctctgag	ctcgtggcgg	tgactgtgga	ggacttgctg	gatggcacag	120

ttagcgtgat	ctgtgttgag	gccaaatgag	cagcctttca	tccggcagag	ccttcctgcg	180
tttgcagcag	agaggaggcc	ccacagcttg	ccctttgccc	tccatccctg	gctgtcctga	240
gtggtgagca	tcttagctta	gcaccaacca	acacagctct	acctagaaaa	cagatggaag	300
cttcgttggt	ctcatagaac	caacagcatc	tgagccctca	acaccaacag	caccatcctc	360
tgtagcagac	aggcctccct	ccccacaggc	ccgctgctgc	ggcctctatg	acactgtcca	420
tccccaagtg	acatgtggct	tcagaagtag	agtctgaaag	agcagtgggg	tgggagctgg	480
tgaccagggg	accccaggag	gcatgatgtg	ccgacagcgc	tcagtgggca	gaatggcagt	540
tagatatggg	acttggccca	cagtgggggg	tgcaaagtct	gccactgcct	ctggccattt	600
aaagtgagag	ggggaccaac	agacaattcg	gggaccttag	ggcccttcct	gaggcacact	660
tggcccttc	ctcggctcta	tcatectacc	ctctgctggg	gttccccctc	caccagctgg	720
ccagcggcag	caccctattg	atggctatag	gacaggtagc	cctcatttcc	atgcctgata	780
accccttgct	agttgtcagc	tcttcccaaa	acaaagctct	ggagtttctg	ctggaagtgt	840
ttaatgtgag	gcatcagctg	ctagacagtg	tctgcctttc	caggacattc	ttcttgggat	900
tccttacctg	aagcctgggt	cccacagctc	tccgtgtca	tcttcattcc	cttcctttaa	960
tcaaaggctg	aaatctctgc	ctgacctggc	agcctggctc	cctctgggtc	atatgggtgca	1020
gactgtgacc	agcaccaggc	aggcagtcct	gtctgctgtg	ggaggagcag	ccgtgactgc	1080
ccgtggctct	gctgccgccc	actccctgcc	ttgtgagtgg	cctgctgcct	cacctcccgc	1140
aggccggcac	acttatttgc	ggtcagtgtg	cctttggagt	ttgaatttca	caaagctttt	1200
tttatcttca	gttcctaaaa	tataacttga	taattaatgg	tttgtggaat	ccattatgaa	1260
gtgcaattag	atagatgtag	gttcttgccg	tttggagaga	atgactagca	tttatcttct	1320
tttccttcca	tgccaaaggt	tggagtctgc	tgggtgcggtg	tttacacacc	aggcagggct	1380
gtctgccacc	ttgtgtggct	tgacccctcg	tggagggggag	tgcttggttg	gatcccacac	1440
tggcagagat	ggggccaccc	cttccttcca	ggcacatctc	acattgccat	gtacagaggc	1500
aggagtccag	tttggtcacc	atggaagctt	ttattgctcc	cacatgggtca	ggtctcacc	1560
tgcttgaagc	gcagaaggca	cagccttact	gaccagcacg	cccactgact	ggcatctgcc	1620
ggctttgtgc	aggcagcccc	gacggtttcc	acagcgagcg	ccagctccgg	ccagcctggg	1680
acagctcatc	ccagccgact	acacctgctt	ctggctcctg	ccacattttg	atacgcagat	1740
cacttgagct	tgtcaattag	ggttctgcca	tcttgaaata	aatgaagttt	ctaaagcaga	1800
gtcggcctca	gaagccaaaa	actgaccaga	agatggtgct	caaaccctta	agacttcatt	1860
tccatgtgaa	gggctcactg	tttctaccaa	ggctgtgcct	gtattaaggc	ttttccgtcc	1920
tgggaactgt	cagtctggga	gagctcttga	tctgcaggtg	gcaaaatggc	actgaatatc	1980
cccttggcag	cagagaaaa	ccactgaaag	atcgtagagt	ggcacatgct	tacagggcat	2040
tgggtgccaa	tccagtggat	gagaatccag	cccctcacia	gctgtgggat	ggggcttggg	2100
agttgcagtg	aatgtcatta	aaatctcttc	caaaacaaaa	ctagaaataa	ttgctgaggg	2160
cttatagggg	agtgatttaa	aaagaaaaaa	caaacaacaa	caaaaaaaac	tcttcggaat	2220
aaagaggggt	gtaaaatttt	aattccagtg	tcagatcctt	tcaagcactg	agaaattctt	2280
tctcaggttt	cttttttttc	gggagacagg	gtcttgtctt	gtcaccacga	ctggaacaca	2340
gtggcacgat	cttggctcag	tgcacacctt	gcgggctcac	gcaatcctcc	tgccacagct	2400
tcccaagtag	ctgggaccac	aggcgtgagc	ca			2432

```
<210> 12688
<211> 80
<212> DNA
<213> Homo sapiens
```

```
<400> 12688
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaaaaa aaaaaaaaaa aaaagaaaac      60
agaaaaagaaa aaaaaaaatc                                     80
```

```
<210> 12689
<211> 6388
<212> DNA
<213> Homo sapiens
```

<400> 12689						
ccggcaccct	taccccgccc	tcgccatgaa	cgcctcgatg	tccaggtgag	tcccggggct	60
ggggctgtcc	gcatgtttgt	cttagcaacc	acgccatttc	tgaccacgaa	acagcttttt	120
cttgccagtt	aatgagcagg	cacagggtc	accctcccc	caactctctt	tgatcaagca	180
tcttctcacg	tcccgcgctc	cccaccccca	ggtcagaatg	gagaccacag	gatcactgtc	240

cccatctctc	caacagaagg	attgcaaagc	cctagcactc	tgccctcctgc	catgggctct	300
ggcactgaag	catttttgagg	acagatgctc	cccgacttag	gatggagccg	cgctcctgata	360
aaccgcgtcgt	acattgaaaa	cacaactttc	accttagaat	atgttgcaaca	tatgatgggt	420
ttatccagac	ataaccccat	ctaggtcaag	gagagtactg	aattaatatc	gtttttgcac	480
catcgtaaag	tcaaaatata	ctaagtcacg	gactgtctgt	atatcacact	gaagctaggg	540
actgggagaa	gatgaatttt	tectgaaatg	atgtcaggag	aggagacggt	gaaaggggat	600
ttctgtctca	gggaccagct	ctacctgaca	gtggaacctc	tgaggacaga	ggaaagctgc	660
ccacagccta	agcccttctt	ttccccagta	tgcccgggcc	tctgaccctc	ctcccccttt	720
gtgtgtttca	tcccacctgc	ttccagcacc	agatggggcag	cctgggtggt	gggtggggaga	780
aggaagaggc	attaagcatc	tcccaaacct	ggtttttctag	aagacgacaa	atagccttct	840
agtcttgaga	ctctgccccca	cggacatgcc	tgtgccctta	aggcagagag	ccaccgtgtc	900
ctctgtctggg	tggcaggtat	ccagcctgaa	cccctctgtt	gccatttgtt	tctatccggt	960
gcacagcctg	gtctccagtc	ggttctctcc	tcacatgggtg	gctcctgccc	accctggcct	1020
gcccacctca	gggatcccc	accctgccat	cgtctcccc	atcgtcaagc	aggaaccggc	1080
accccccagc	ctgagccctg	cagtgcagct	gtaagtaagc	ggcagcctgg	attcaggtgg	1140
gaggggtgcag	gctgtggggga	gggggtggcca	cactctgagc	agcaaagtgc	atgtactctt	1200
ctctcttgggt	gtcactcagc	aggcatcaca	gcctccccag	ccaggccctc	cctcttcttc	1260
gggacttact	ccctctgacc	ttctgggtcc	ctgtcctttc	agggacatgg	tgcattctct	1320
ctcttattaa	ggaaagtgtt	actgtcaggt	ctcagaggct	gaaagagaa	ctgagaaagc	1380
ttttaacacc	ccaccgtaag	atatatgaaa	agggtaggcc	cagaaaggag	acagtgtttt	1440
cttaaggact	tgtgtgtggc	tgggtggccga	gctgagatga	gcaccagggt	ccttaccttg	1500
cccgtgtacc	ataaagatgg	caggaagcca	aagtcagtg	tccctggaga	tcccaagaga	1560
acccctctcc	aacttgggtc	tgcccagagt	gccccacact	gtgtcctgtc	accgccgcca	1620
gcacctgcca	gctccagtga	gagctcatct	cagcaacccc	accatgctct	gttctctctgt	1680
caggaaattg	gagagttagt	tttcaaagaa	tctggcgtgg	agatcggtca	aaggtgggaa	1740
actacgggag	gaaggtactc	agggtgtgag	tgacgcatg	gggccacttg	aattagcatc	1800
caggcagccc	gcgcctctcc	ccagtcacaa	tcagcgggtg	ttcagtgaca	gggtggggatt	1860
gatgagttgt	gtgacacctg	acatgctaac	ctacaaccac	gtgccttccc	aggaaatcac	1920
cagtcaccgt	gaaaaaggag	gaggaaaaga	agccccacgt	gaagaagcct	ctgaatgcct	1980
tcattgttga	tatgaaggag	atgagggccca	agggtgggtg	tgagtgcacc	ctgaaggaaa	2040
gtgcagccat	taaccagatc	cttggaagaa	aggtaagacc	tgccctctcc	ctccaggcca	2100
gggaggcagc	gtccctgcat	tgatggctcc	gtgtgggtct	tgaccctctc	tccccagtg	2160
gcacaacctg	tctcgagaag	aacaggccaa	gtactacgag	ctggcccggga	aggagcggca	2220
gcttcaactg	cagctctacc	caacctggtc	agcccgggac	aactatgtaa	gtgcacactc	2280
tgggcagagc	acgctcagac	cccaggaaca	gcctctgcaa	gaggaggaag	gggtgaaggaa	2340
agcaactgca	tttattttta	tttattttat	tttcttttat	tttttgagac	agaggctcac	2400
cctgtcaccc	aggctggagt	gcatgcagtg	gcgcgatctc	ggctcactgc	aagctccgcc	2460
tccccgggtc	acaccattct	cctgtctcag	cctcccaggt	agctgggact	acaggcacct	2520
gccaccacac	ccggctaatt	ttttgtattt	ttagtagaga	cgggggtttca	ctgtgttaac	2580
caggatgggt	tcgagctcct	gacctcgtga	tccgcccacc	tcggcctccc	aaagcgctgg	2640
gattacaggc	gtgagccacc	gcgcccggcc	agcgactgca	tttatagagg	actcttaaga	2700
tcaggggagaa	gcccatactt	ctctagaaat	aagggaaggtg	ttttaattct	caggaggtca	2760
acaagtctctg	aggacggact	tcagttgatg	catttccctt	tgaactggac	tctgccctcg	2820
atctcataac	acagggcagc	gggttagctg	tggtaggaag	agttgtctcc	agccactcct	2880
aacccaaccc	agggtctcaa	gaccagtgtg	tgagcctcag	ggggcgtgtc	tctaagctcc	2940
cggaaaccaa	gccaattttc	gcatgcgtgt	tcttcttttg	tttttttctg	gtaagaggac	3000
ccacagttgc	atcaaacttt	caaagggacc	tgggacccct	cagaaaagat	ctagaagcac	3060
tgttctaggg	agagaaacag	aaaaacagag	tctgaagggc	agtggaggga	ggaggccttc	3120
caagaaggcc	tggacacccg	acctggaggg	gaaacgcgtt	tgtagggggag	gaagggtctc	3180
ctctgtcctc	tcacgggctc	ccacggctgt	gatctgaatt	atctctccac	actctccctg	3240
agggatcgag	agcagtaaa	ggcaacgtcc	tgtcttctct	ctgatctggg	agcccctgag	3300
aagccagcat	tcttctctcc	cagcttacct	cttcttttgg	ctgtattttc	cagggttaaga	3360
aaaagaagag	gaagagagaa	aagcagctgt	cccagcacaca	gtcacagcag	caagtccagg	3420
aggcagaggg	tgcgtctcgg	ggcactggcc	tcttctctct	cttttctctt	tgtcacagcc	3480
acacctgccc	atgctgtctc	tagctccctg	atgggtcagg	gcttctgcct	cggatttcgc	3540
gggagggtat	tattaccctt	ttctcaggt	ggccacttaa	gaggctctga	gatgtgaagg	3600
cattttccca	ggcactctgc	ttcagtgggt	gtggtaggat	ttgatcccag	gactttgtca	3660
cttcaaagcc	tagacaatct	aattccattg	aaaagtgaat	catcctacct	gagggttaat	3720
ggaatgaggt	tgaattgtc	tttgaaatac	ccttaggaag	gcagcacatg	agcccctgac	3780
atcccacctg	tcagtggatc	caggggagcc	cgggtttcct	tggatgtttc	tttggttgaa	3840
caccagaaaa	aattagtttg	cttgggttta	ggaggcactt	tgtgtcaaaa	ccatgtataa	3900



aatctctata	ttaccagaat	catgcctagc	acagaaagat	gctcacactg	tgacgattat	3960
tattaatat	taggtcacgc	ccccatctc	atgctcacctc	caggacaagt	gtatcgctgc	4020
ttgcacgatg	taaagtgtt	tcaatctctc	ttcttcatte	ctccctccct	ccctttcttc	4080
ctccctccct	ttcaccttcc	ctcccattct	ccttccctcc	ctttccctt	ccctccctcc	4140
ttttctccct	ccctttctct	ttccctccct	ctctttccct	ccctctcccc	ctccttccct	4200
cccttccccc	cctccctttc	ttcttccctc	gctttctcct	tccgccctcc	ctttctcctt	4260
ccctccctcc	ctatttccct	gcctccctcc	ctcccttcc	tccctccctc	cattatacat	4320
aggagcgcac	atgagtggaa	cccgtagctg	ctacagaacc	cgctgtctgg	cacgctgttc	4380
agcaggcatg	cactctctct	gactgtatta	ataccataaa	caaagagatt	caaagcaaac	4440
tggagattca	tcccaaaagt	taccagcttt	aggaaaggag	gggtggctcg	tgagacactg	4500
agccgtcttc	tcttccgatc	gagctgtggg	ggactcttc	cagtttgggc	gttgcctctt	4560
ctctgtgtct	tgggtaattt	tgaatgcagt	ttcctatgct	tgaaagcctt	ggaagtaatg	4620
tcaggctctc	gccaaaatca	tccctgtgtc	tccaaagcac	atgtatcgcc	agggctgttc	4680
ctcagcctcc	tcctctcaca	gagctatagc	tgtcactct	ttcttgtatt	ttccccctag	4740
gtgccctggc	ctccaagagc	aagaagccat	gtgttcagta	cctgcccccc	gagaagccct	4800
gtgacagccc	tgcctcctcc	cacgggagca	tgtctggactc	cccgccact	ccctctgcag	4860
ctttggcctc	accagctgcc	cctgctgcca	cccattcgga	gcaagcccag	ccctctctcc	4920
tcaccaccaa	accagaaacc	cgggccccagc	tggctctcca	ctctgccgcc	ttcctgtcgg	4980
ctaaggtgc	agcctcctcc	tctgggcaga	tgggcagcca	gcctccccct	ctgtcccggc	5040
ccctccccct	tgggtccatg	cccacagctc	tgtctggctc	tccccgctc	ttccccgcca	5100
cgctccatgc	ccaccaggcc	ctcccgtgtc	tacaggccca	gcctctttcc	cttggtacca	5160
agtctgcccc	ctaagctccc	cccgaccctt	gcaggctgtc	acatgactca	ttgagtagta	5220
atgattcaga	agaaaaagaa	aaaggagact	ttatttgtca	atatttgacc	actctggact	5280
gttctgtaaa	gtggctggta	acaacagcac	tttacagttt	gtagatgtaa	ccagtagctg	5340
atcttaaggc	ttttttaaaa	aacaaaacaa	aacaacaaaa	aaaaatcttt	ataagaaaga	5400
gaactgaaaa	gtagcgtgct	attcgtcctg	taggtgctgt	ggtaggatgga	cctgggcaga	5460
gggcacttct	ctctcttacc	tctcttgcac	ttctgtctc	ctgtctcttc	tcgccccctgc	5520
cgcttgcccc	agcttccccg	actccatctg	cagctctgcc	attgtgacat	ttcctgttac	5580
ccagcccaag	ttttcatcgt	ctgctcaata	ccgtgggttc	ttcttcgtcc	tctgtcctct	5640
gcccagtgtg	aggccatcac	catgtgagaa	gacatcttgg	cctgatttgc	tgccaccagc	5700
gtccccctcc	tcagtgggcc	cgaactcgcc	agccccagtc	tctagtgagg	aaagcggttc	5760
tctgaaatgg	tttctctcca	acccccgcat	ttaaagggtc	tcaaggtgcc	tgccacttcc	5820
tcagcgaaga	agtctgtgtt	cctccccgtc	cttgccagtg	gcgatcatcc	cttcacaatc	5880
ccagagtggc	aggcgggacc	agccccatgg	tctggctcct	gtcacctggg	tccgtgccag	5940
cacaatctgc	caaagttcta	gagaccctgt	tcccttcccc	atcacctcac	atgcttcttc	6000
tgtgtgtatt	tctttttgtt	tttatggttt	ttggagcaat	ttaaactccc	agttgtttat	6060
tttcacaaaa	gaaaataaaa	ttgcagttgc	aagacctttt	ctgagtgttt	cttttagtgct	6120
tttgtttgaat	caaaccacct	gtttgtttca	ctcccaaacc	ctgtgttaga	cttttcgaga	6180
tatgcaaagg	aagattgcca	cttgccacag	gggaatgtta	ggcatgcctg	acaccttag	6240
aaaacctgaa	cccagcttcc	tgtctcaaat	gtgcatgggc	cagtcagtg	ccatgactga	6300
gctgcaaagg	gggtcaatcat	tttcacagct	gatttaaata	aatttgcgc	ctggaatgac	6360
attcaqctta	tgcttctatc	acctttt				6388

```
<210> 12690
<211> 77
<212> DNA
<213> Homo sapiens
```

```
<400> 12690
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaa
```

```
<210> 12691
<211> 386
<212> DNA
<213> Homo sapiens
```

<400> 12691  
gagttcagga ctagcctggg caacatagca agacctgatc tctttaaaaa aaaaaaaaaa 60

aagcaactag	ctgggggatgg	tggcacacaa	gcctgtagtc	ccagcttctc	aggaggctga	120
ggcaggagga	ttgcttgagc	tcaggagctc	aagactgcag	tgagttatga	ttgtgccact	180
gcattccagc	cttctcaaca	gagtaagact	ctgcctcaaa	caaaaaaggt	atacaattca	240
ggctgggtgc	gatgggtcac	acctgtaatc	ctagcacttt	gggaggccga	ggcgggtgga	300
tcacctgagg	tcaggagttc	gagaccagcc	tggccaacat	ggcgaaaccc	cgtctctact	360
aaaaatacaa	aaattagcca	ggcatg				386

<210> 12692  
 <211> 1855  
 <212> DNA  
 <213> Homo sapiens

<400> 12692						
caaagaggaa	tatagccatt	tggagttgta	gcccttgggt	tacctccaaa	tcattctttt	60
tacaaatctc	tttttttttt	ttttgaaatg	gaatcttgct	ctgtcaccca	ggctggagtg	120
cagtggcacg	atctcggtc	actgcagcct	ctgcctcctg	ggttccagca	attctcctgc	180
ctcagcctcc	tgggtagctg	ggactatagg	cacacgccac	catgcccggc	taatttttgt	240
attttttagta	gagacagggt	ttcaccatgt	cggccaggct	agtctcgaac	tcctgacttc	300
aggtgttctg	cccgcccttg	cctcccaaaa	tgctgggatt	acaggcatga	gtcatcgtgc	360
ccggccacaa	atctctttta	aaaagaaatc	tcttctccac	ttgtaactca	cttatcttat	420
tatcaaaaaa	cataatttct	gtcctttctc	tgtgacagat	aagttttacg	ttttgagaag	480
gttctgggag	agacagggtg	tacaagagaa	aacattcttg	tttattagag	ccataaacag	540
ctgatatgaa	tcccagctct	gccacttact	aaccgtgtcc	caggctaagt	catgtaatct	600
ttctgggctg	ttccctcatc	tctggaatgg	gggtaatcac	agcttctttt	ctagggtata	660
aggagtagaa	attatgcctg	gtgctgtgtt	tgtaatgcag	ggttcagtga	cctgtagatg	720
tttttaaaat	aaaaagcctt	atggataagt	cagattaggt	ttaaacaatt	aaaaagttaa	780
ttctgtttac	caattgtaga	acgcacaggt	ttttcccatg	ttaacatctc	tgaagatgtg	840
tctgtggcgt	gccagcgttt	ttctcaatag	ctttataaaa	taatgggtgt	ccttccattt	900
ggtggtgttt	tacacagaat	gtggtagtga	ggtcagcaga	gtaaagtgtt	acagagagaa	960
gtgtttcaag	tgcttttagg	ttgtgtctgt	aaagcctgaa	tatgagactt	ggtagtatga	1020
ggtctaattg	gggcaactct	ccccctgccc	tgttcccagt	cccagacttg	aacctgagag	1080
caactgtttc	tatgaagtgt	atttgaaaaa	tgtgtgttaa	accttttcag	ggccgggctg	1140
agtggttcac	acctgtaatc	ccagcacctt	gggaggccga	ggcgggtgga	tcacctgagg	1200
tcaggagtct	aagaccagcc	tggccacat	ggtgaaaccc	tatctgtact	aaaaatacaa	1260
aaaaattagc	caggcgtgat	ggcagacgcc	tgtaatccca	gctactccag	aggctgagac	1320
aggagaattg	ctggaatccg	ggaggcagag	gctgcagtga	gccgagatca	tgctactgca	1380
ctccagcctg	ggtgacagag	caagactcca	tctcaaaaaa	caaaacaaaa	caaaaaaaaaa	1440
accttttttag	attcaatgag	atgacacagc	gcagatcatc	cctcagcagc	ctgtagtggt	1500
tgagatgaca	cagcgcagat	cattccccag	aagcctgtac	tgtttcccac	acacagtgca	1560
cgtgagggga	gcgatggagg	gtgggtgtga	tcccttctca	agtcctgctg	ctctgctgtg	1620
tccactgctg	tcatctctca	gggactgttt	tgaggactga	atgggatgtt	gcctggaaaa	1680
tacctggcac	ttacttgatt	ccataaataa	cagctgggtca	tactctccat	ctccttgcca	1740
accattcctg	gtcttttttg	tctctttcag	tctaataaag	ttcctgtcgt	tcagcacccg	1800
catcacatgc	atccgctgac	tccctctatc	acctacagca	atgaccactt	ctccc	1855

<210> 12693  
 <211> 8056  
 <212> DNA  
 <213> Homo sapiens

<400> 12693						
agcggcctgc	agtgggaagc	tggagcagca	cacggagcgg	cgtgggggtca	tctacagccc	60
ggcctggccc	ctcaactacc	cgccaggcac	caactgcagc	tggtacatcc	agggcgaccg	120
tggtgacatg	attaccatca	ggtaggggca	cccgggggtg	tcggaaggaa	tcaatgtggg	180
cccacgtgca	tgggggtggg	gagaatgtgt	gtgtgtgagc	agggtgtggag	ggcacacgcc	240
tgaggggtgta	catgtgtgtg	agcagggtgtg	ggatcatgtg	catgtgtgtg	agcatatgag	300
tgaggcgtgt	gtgagcactc	gtgtgaacag	gtgtatgggt	gtgtgcatgt	gtgtgagcat	360
ttgtgagtag	gtgtgtgtgc	atgcagatgt	gtgtgtgtga	ggtaggcgtg	tgtaggtatt	420
tgagcaggta	tgtggtgtgt	gcatgcatgt	gaacacatgt	aagtaggtgt	gtgtgcatat	480

gtgtgtgtgt	gcatgtatgt	gaacacatgt	gtgcttgtgt	acatggaaaa	gccccatgtcg	540
gagaagacat	aaaggacaca	tgtgagagac	tgcattgtgtg	agcacatgta	tgtgcacgag	600
ccatgcctgc	aaaggtgcag	agagcgtgta	tgtgcgcatg	catgtaagat	aacaggtgta	660
accatgtgtg	aaccgtaagc	atgtatgtgc	acatgtgaat	gcatgcacgc	aagtgtgtcc	720
agtgtctctg	gtctccacgg	gcctctgtgg	cgaggtgccc	aagctggacc	tcttcctggt	780
ttgagcctcg	ttcatggggg	gtgggggggtc	tcagtcactc	agctctgcca	ggaaggcagg	840
gccagcacac	aggccactgg	gaacacagcc	tgggactggg	gggcatggtc	tgatgtctct	900
gaggtggcag	aggtgtctct	tctgtcctgc	aggggtgggt	gggggcccagg	ctggcactga	960
gcccagagca	tggtttctgg	agggggcctt	ggggagggga	gtgaatcagg	caaagcccgg	1020
gtgcttgagc	tgcaggggaca	tgcagaggga	aagggggcca	ggcagtgagc	ggtgggtcctg	1080
gccaggggtg	gtcacaggga	cattttggctg	gggagtcact	ataggttcca	tctgccatag	1140
ttttcctaaa	tgccagagcc	caaaaagcgc	aaccctgac	ttactccata	gctgcaatgc	1200
gtgaggatgt	gatgggcatg	ggcagggtct	atcctagtct	ctgtgcctca	gtttcccca	1260
gggcccagg	gttcaggggc	agtgtatctc	cggagatgac	aagctgtcaa	cctgctgcag	1320
ccttagccag	ccccgtgggc	agtctcacc	tcacttccca	tgcctgggac	tttgtgctgg	1380
gccccatcca	gtgggtcccg	ggtggagggt	tctgggccc	tggggcactg	cccttttggg	1440
gaggggtgtc	gggcaggggg	ctcttgactt	ctgtctccac	tctgggtctg	ggctgggggt	1500
actgtgtgca	ctgatggagg	gaaggggagc	cgcagcagag	ctggaaatga	cctgcgtgga	1560
tgctgcaatt	cttcatggag	cctcccgtgc	acacctggat	ggggacagtg	tggggacaga	1620
gtggctggga	gtggagggaac	caggcagtc	ggaacatgag	gagtgggggc	agccggcccg	1680
gacagggctg	gctgtcctgg	ccgtggctcc	agcctgacca	ctccctgctg	gtcctcgggc	1740
atggagatcc	cacctactgc	ctcatgtctg	ggtcctctcc	gccccccgc	agcttccgca	1800
actttgacgt	ggaggagtcc	caccagtgt	ccctggactg	gctcctgctg	ggcccagcag	1860
ccccaccccg	ccaggaggcc	ttccgcctct	gtggctccgc	catccacct	gccttcatct	1920
ctgcccgcga	ccatgtctgg	attttcttcc	actcagacgc	ctccagctcc	ggccaggccc	1980
agggcttccg	tctgtcttac	atccgaggtg	atggaggctg	cagggcaggc	aggacaccac	2040
ggagcacacc	gtgcacgccc	acaggctccc	ggcccacagg	ggcggcacc	tccacagggc	2100
cccggctccc	tgtgggatgt	cccctgaccg	ccctgtcaat	ctcaggacag	tggcaggact	2160
gggcatgcgg	atgccttgga	cctctcaagg	tcactggccc	cacttcccag	tcttggttag	2220
tcctgggaac	tcacccctaa	cccaggctc	aggctcaggga	cagagcccac	cctgggtgtg	2280
gaggggtctc	tgtgtccaca	gtgatgggga	accacctgcc	cgcttttggc	cccaggcccc	2340
ctggccgaag	ggaggctctt	ctgtctcctg	actgtcccct	gctacgtctc	cacccccacag	2400
ggaagctggg	ccaggcatcc	tgccaggcag	atgagttccg	ctgtgacaac	ggcaagtgcc	2460
tgcccggccc	gtggcagtg	aacacgggtg	acgagtgtgg	agacggctct	gatgaggcca	2520
actgtctggc	gcccgcctcc	gagcctccag	gcagcctgtg	ccccgggggg	accttcccat	2580
gcagcggggc	gcgtcccacg	cgctgcctgc	ctgtggagcg	gcgctgtgac	ggcttgacag	2640
actgcggcga	cggctcggat	gaggcgggct	gccccgacct	ggcgtgcggc	cggcggtctg	2700
gcagcttcta	cggctccttt	gcctccccag	acctgttcgg	cgccgctcgc	gggcccctcag	2760
accttactg	cagtggtctg	gtggacacac	aggactccc	gcgggtgctg	ctgcagctgg	2820
aactgcggct	gggctatgac	gactacgtgc	aggtatacga	gggcctgggc	gagcgcgggg	2880
accgcctgct	gcagacgctg	tcctaccgca	gcaaccaccg	gcccgtgagc	ctggaggccg	2940
cccaggggcg	cctcactgtg	gcctaccacg	cgcgcgccc	cagcgccggc	cacggcttca	3000
atgccacct	ccagggtga	ggctattg	tcctctggga	gcagccgtgc	gggagcagta	3060
gtgacagtga	cgggggcagc	ctgggacgac	agggctgctt	ctcagagcca	cagcgctgtg	3120
atggctgggt	gcattgtgcc	agcggccgag	acgagcaggg	ctgccctgcc	tggccgccc	3180
accagtacc	ctgcgagggt	ggcagtggtc	tgtgtctac	gcctgcccag	cgctgcaaca	3240
accagaaaag	ctgtcccag	ggcgccgacg	agaagaactg	cttctcctgc	cagcccggca	3300
ccttccactg	cggtagcaac	ctgtgcatct	tcgagacgtg	gcgctgtgac	ggccaggga	3360
actgccagga	cggcagcgat	gagcatgggt	gcctggccgc	cgtagccccg	aaggatcatca	3420
cggcgggcgt	cattggcagc	ctgggtgtgtg	gcctgctgct	ggatcatcg	ctgggctg	3480
ccttcaagct	ctactcactg	cgcacgcagg	aatacagggtg	ggcgctgtgc	ccgcagccag	3540
gggaccgggc	ttcttcatca	cccaggcttg	ctgtccccgt	agctgtgggt	ttgcaaacgg	3600
gggcctggag	tagctacatg	gaggtgcctc	tgggtcacac	tgggggtccc	atatcttggg	3660
gtgtctgggt	ggagggtcgt	cctggaatcc	tgtgtgtgtt	cctgctgcag	gtcccgggca	3720
gcccagtc	gtgcctctcc	gcccactgct	tctagggcct	tcgagaccca	gatgacgcgc	3780
ctggaggctg	agttcgtg	gcgggaggca	cccccatcct	atggctcagct	catcgcccag	3840
ggcctcatc	cacccgtgga	ggactttcct	gtctacagtg	cgccccagg	gagccccgg	3900
agggcgtag	gccccctcgg	ggccacttgg	gacagtgctg	ggaggaggct	ggtccagggg	3960
tcacaggagc	aggaggcaag	gcctgcgcag	ggtgacctga	gggcccattg	ccagggtggg	4020
ggggtggaca	aggtggtctc	tcgggtctca	ggtcccttgg	gggtgtgctg	tctcctgccc	4080
ctgagcagcc	tgtctgcccc	ctcagccgca	tccccccg	cctaccctgc	tccacccac	4140

aggcctctgt	gctgcagaat	cttcgcacag	ccatgcggag	acagatgcgt	cggcacgcct	4200
cccgccgggg	gccctccgc	cgccgcctcg	gccgcctctg	gaaccggctc	tttcaccggc	4260
cgcgggcgcc	ccgaggccag	atcccactgc	tgaccgcagc	acgcccctca	cagaccgtgc	4320
tgggcgatgg	cttcctccag	cctgctccag	gggctgcccc	cgacccccca	gcaccgctca	4380
tggacacagg	cagcaccagg	gcggccggag	acaggccccc	cagtgcctcc	ggcctgtcac	4440
cggaggtggg	accttcaggg	ccacccttgc	cctcggggcct	gcgagaccca	gagtgcaggc	4500
ccgtggacaa	ggacagaaag	gtctgcaggg	agccactggg	agacggccca	gctcctgcag	4560
atgcacctcg	ggagccctgc	tcagcccagg	acccgcaccc	ccaggtctcc	actgccagca	4620
gcaccctggg	ccccactcg	ccagagccac	tgggggtctg	caggaacccc	ccgccccctt	4680
gctccccaat	gctggaggcc	agcgatgatg	aggccctgtt	ggtctgttga	ccgctgggct	4740
cgctggtgac	cgccacagcc	ccgctttgta	accagggaat	acacagtcac	ttctaccctg	4800
cctctgcgtc	ctttcttatg	gagaggccct	ccggggaccc	cagcggaggg	gctggccctt	4860
aagccagctg	gctgcactgg	tgggcgggag	ctgtgggact	gaacggcggg	ggggagaaga	4920
gtggagtggg	gagcccgtct	gcagggtccc	attgtacaca	agcaccctgg	ggtctcactt	4980
ctctccccc	actccattct	gggaacccat	ttccagagaa	gcaggggacc	agagcctttt	5040
tgcttcatct	gccctgcagt	ggcaacagct	gcccctagag	ctgggagtgt	tcattgaggat	5100
ggggccgggg	catggggacg	ctgggtctca	tccgtgggtg	ctattttgct	cacgcctcac	5160
cctcttccctg	tccagcaagg	cctctggagg	acctgggttg	ggtggctcct	gccaaccctt	5220
catgcccctg	gccaggcagg	cgccctttgc	cctccctgaa	ggtccaatct	cctgggcacc	5280
gtggaagggg	tggggtgtgt	gcctgctgta	catgaagccc	ctggagtctc	ctgcaggcct	5340
caaagccccc	aggacatgct	gctctgtgct	ttctggggac	agagaggccg	aggcaccaac	5400
agcagtggcc	acgtctgttc	catcctatct	cagggcctcg	gtttccccac	ctgtaagcca	5460
gggtgagact	gtgggctctg	aagtccctgac	cttccactctg	tgggtgattta	cgggaagaaa	5520
gacaatccca	gcctggagcc	cctgagctct	cctgggtggc	cgagctcaga	ctggcatcga	5580
ggggcctggg	gtaggggagg	actgagctgc	taccccatcc	tcgacatccc	tttagggcag	5640
ggggactctg	ggtggccatg	tagggagcgc	ctgtgtcaag	cagcaaagcc	ccctaattgtc	5700
aagagcctcc	tccagggcct	gccacggcat	cttccgtggc	agcaacatgt	gtgcacccac	5760
cgaggtacgc	cccagccact	cccatctgtg	cccatcaggg	actccccata	gcacgagcga	5820
acagccagcc	ctgtttatct	ataggccctt	tcaggaagag	ctagcagggc	agtgtctaaga	5880
caggaaaccc	agtccacatt	ttagggtctc	cttaaacagg	cttctgagag	tcgtatcttt	5940
tttctttttt	ttccagaaaa	aaacaaaaca	aaactttttt	gccaaaacac	ctcctcaata	6000
aacaacatgt	aaacagaaac	aactgcttca	gtctctacaa	aaatctcatt	gtggcttcga	6060
gggcttgtct	gtggcaggca	gcaggggagg	tgggcagggg	ccattctcct	cctcttcggg	6120
ggcgctcctg	gggtagacca	cgaacacacg	ctcctggccc	cagtgtgtca	tggactctga	6180
ggacagacag	atggaccttg	gggcctgacc	tctcgggata	ggggtgacct	ccagctccgg	6240
acacctcccc	ttgggcaggg	gtcttcaggg	agttgctccg	tcgggtacctg	tgggtctgga	6300
aactttgggt	acatcttggg	aagagacatt	tgggtggcgg	tgggcccctgt	gttcccacct	6360
cagctgctag	gacaccctgc	tctgggggtg	gcctctaaga	gggaggtctg	gtctccaggc	6420
cccggccccc	tgtgctgggt	gacctgcagc	tgcccggctc	acctgtgagt	ctgtgcacac	6480
actttgggtt	gcttctccag	aacactccca	gaaagaaaat	gggcaccccc	gtaaggatga	6540
tgatgacgcc	gaccccacag	accataggct	ctgagatgaa	gctgaagacc	agcaggaagg	6600
cccagaagac	caagtacgcc	acggggatga	gaaggttcac	ctgggggaagg	gggagcagaa	6660
acaccgatgg	tgcagggcct	ccagctgtct	gtaccccaga	cccttggggg	tctgggggaat	6720
tttctctcct	tccctgggag	ctgaggccct	aaggggcaat	gcacccacta	caccccctct	6780
tggcgacagc	ccagtgtgtt	ggaggccaat	tcattgggtc	ggccgttggt	cagttttgct	6840
gaggattttt	caaagtctca	gcggcaccga	gctccacaca	gcgggttgct	gtggacttga	6900
ggcttgcact	tggctggagg	tcagtgtatt	tttgggtgtt	cacatttcag	gcactgagca	6960
cttctccact	taaggattta	tacacacatg	gggggctttg	cttttagctc	aggctatggt	7020
cttctgtttt	tgtgtgggct	catgaaatcc	tggcagcctt	tgtgaccttg	aacagttcct	7080
gagtctcatt	ttctttaatt	tttttttttt	tttgagacag	ggtctccctc	tgtcacccag	7140
ggttgagtag	ggtggcccta	gcaccgctca	ctgcagcctc	aacctcccgg	gctcaagcga	7200
tcctcccatc	tcagcctctc	aagttagctg	gaccacaggt	gcgcaccacc	acaccaggct	7260
aacctcttta	tttttaactt	tttgacagag	ggaagtcctg	ttatgttgcc	caggctgggtc	7320
tcaaactcct	gggctccagc	aatcctccca	cctcggcctc	ccaaagtgtc	ggaataggca	7380
tgagccctcg	tgcccagctc	tgagcctcat	tttcgccatc	tgtacactgg	gagcattcaa	7440
agctctgtcc	tcattggggct	gctatgagga	atggctgcct	cagtgcacag	agagccctga	7500
gcaggggccca	acactccaca	aaagctggca	cctcccatcc	cacctgcccc	tgggtgcccac	7560
tgtggatgca	ggggtggctc	tggcagcacc	cggcacaggg	ccagctgtcc	cagggcctca	7620
ccttgatggg	cctgtggagt	gcaggccgct	tccagcgcag	cagcagcagg	cccaggatgg	7680
tgacgccgta	gcagaggtag	ttgatgaagg	acacatagtt	gatgagcgtg	tacgtgtcgc	7740
ccacgagcat	gatgacggct	gtggccccgc	actgggagag	gacctggggc	tgacggctgg	7800

cccctagcct	gcctcctgac	gcccctgcag	gatgagccct	ggccccaccc	cccaaccccc	7860
accctggaat	ggctcacccc	tgccattacc	cggaaggtcc	tgcattgccg	ggtagccctg	7920
cctccacgcc	ctgcctggcc	caggtccccc	aacttacaca	gacgaggagg	gcgggggatgg	7980
gggtgcagtg	tctgacgtgg	atcatggcca	gcaggctggg	caggtgcccc	tcgcgggctc	8040
cagagaagca	cagcct					8056

<210> 12694  
 <211> 3540  
 <212> DNA  
 <213> Homo sapiens

<400> 12694						
gccgtgcatt	atccgcaacg	ctctgcagca	ctggccggcc	ctccagaagt	ggteccctccc	60
ctatttcagg	tgggagctgc	cctgggggtca	gggtgtgagca	gtgattactg	gcattctgggc	120
atgggctgag	tgtccattcc	tctagagcca	cagtgggctc	cacagagggtg	agtgtggccg	180
tgacccagca	tggttacgcg	gatgccgtga	gaggggagcg	cttcattgatg	ccagctgagc	240
gccgcctgcc	cctgagcttc	gtgctggatg	tgctggaggg	ccggggccag	caccctggag	300
tcctctatgt	gcagaagcag	tgctccaacc	tgcccagcga	gctgccccag	ctgctgcctg	360
atctggaatc	ccatgtgccc	tgggcctccg	aagccctggg	tgagtggagt	gggggtggtcg	420
tggccctgga	caggggaagat	atgggaagga	gggggggtcag	cctgtttgcc	cttaggtgat	480
gacctggcct	atgggcttgg	tcctgtcagc	atctgggtgca	gctcactaaa	tacattccca	540
ggccttgact	taatcataga	tgaattgcca	aagattgttg	tccttccttc	tgccccaggg	600
agggaggacc	ccttccccaa	gatttcccaa	cctctgcctc	ttctccctga	cccctttcct	660
gggattcttc	tgtgtctacc	caggttttgg	ctctggcatc	actggatggc	agctttcccc	720
agcctggcct	tcctaacttg	ctctctgcct	tctgccctgc	aggaaagatg	cccgatgctg	780
tgaacttctg	cctgggggag	gcggtctgcag	tgacttcttg	taggtgtaag	gggaatacaa	840
aggtggggaa	ggagcaggtt	ggggcagagg	gaggggaagac	gaggccagga	gtggagggat	900
ggccctgggt	ggaggttggg	ctgttctcta	agatttcttt	tggcttctag	gactcgggca	960
ccacagaggg	tttcccttga	cagctgaggt	cggggaatgg	acccatggca	ttgggggctg	1020
gtgcattgtt	tcttctagac	ccaaagaaac	ctccctgaag	gcccgtggg	ccagggggtg	1080
agtgtaggag	aacttcccc	cttgttgaag	aggagtccag	ggcctgggtg	gcattcaggtc	1140
cctggtaggc	agagttccag	aatgcccac	agagcccctg	gcattctccag	cccactggct	1200
ctgtgtgtgc	ttctcttttg	tcattaggac	tcttgggggtg	cagggctctc	agcatgatgg	1260
tttgctcct	cccgctcccc	tgccctccat	accctgcccc	cgggccttct	ttctgttggc	1320
agtgcacaag	gaccactatg	agaacctcta	ctgcgtgggtc	tcaggagaga	agcatttcct	1380
gttccatccg	cccagcgacc	ggcccttcat	cccctatggt	aggggatgtg	gcctgcaggg	1440
aggggctggg	gaacagctgg	cccaaggggg	agggaggcag	caagagcctg	ggaggccagt	1500
tcccaggcct	gaggtgtggc	tgtggcatcc	ccagtgcacc	agggcccctg	atccccttgc	1560
ccctgcccag	ggctggctgg	ggtggaggag	ggtctggcaa	gttccaggct	gtttgcaatt	1620
ccccacaccc	cttctccctt	gggctccaga	gctgtacacg	ccggcaacct	accagctaac	1680
tgaagagggc	acctttaagg	tgggtgatga	agagggcatg	gagaaggtgt	ctgtcctgtt	1740
cttgggctct	agggaggagg	aagggcagaa	gcctggctct	gaagaacagg	cacaaaagat	1800
ctggggagggt	ggcaccttgc	tctgaaaagt	ctctaagtct	gaggccttct	actgctgagc	1860
caagcagggc	ctgtgggtgt	gacctttgga	agggacagag	cctgaagtcc	tgggggggtc	1920
tggggggctg	ctccctggca	tctgatgtgt	tcccagggtc	cctggatccc	cactggaccc	1980
cttggcgcca	gacctagcac	ggtaccctag	ttacagtcag	gcccaggccc	ttcgctgcac	2040
gggtgcgggc	ggtagatgac	tctatctgac	ggctctgtgg	ttccaccacg	tccagcagtc	2100
ccagggtctg	atcgaggtg	aagagttgcc	caggccgcct	ggggagaggc	cctgtcaagg	2160
tccagcaggg	cctctggggg	gaggcttggg	aggctctagg	tcagaagagg	gatcttcatg	2220
ctcagatccc	cgttcttccc	acagtgaatt	tctggtatga	catggaatac	gacctcaagt	2280
atagttactt	ccagctgctc	gactccctca	ccaaggcttc	aggccttgac	tgatggagca	2340
ctggtgaaca	ccaccaagca	cgccctgggg	gacggagcca	gcccctccct	ggccagggtca	2400
attctcgaga	gagcctggag	tgtgcatgct	ggctgctggc	cccgggtcca	gcatggcttg	2460
agatcagctt	tggaggatct	tggaaatgtg	tcataaggac	tcaaggtgcc	aggcagggtct	2520
gggtgagggt	tctcaggaag	ttgccacaca	ggtgagcaga	gtggggatca	ggtgcagcgg	2580
cacctctccc	cagcgctgtg	atgttggggc	agtcactgcg	tctcgggcat	tgggtgtcctg	2640
tcagtaaaga	gataataatg	gctgtacctc	gcggggctgt	tgtgggcttg	gagatgatgt	2700
ctatgaggac	cagcatggag	ctggcacaca	ggacatgttg	aataaaaggt	agctgtgagt	2760
cgtatgtcct	tttttttttt	tttttaagat	ggggctctgc	tctgtcaccc	aggctggagt	2820
gcagtgggtg	gatgtcagct	cactgcaagc	tccgcctccc	aggttcacac	tattctgcct	2880



<221> SITE  
 <222> (7893)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7894)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7895)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7896)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7897)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7898)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7899)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7900)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7901)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7902)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7903)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7904)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE





<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7918)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7919)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7920)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7921)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7922)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7923)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7924)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7925)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7926)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7927)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7928)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7929)

<223> n equals a,t,g, or c



09950083 091201  
102150" E800560

<220>  
<221> SITE  
<222> (7942)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7943)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7944)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7945)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7946)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7947)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7948)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7949)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7950)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7951)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7952)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7953)  
<223> n equals a,t,g, or c

<220>

09950083-091201  
T02T60" E890560

<221> SITE  
<222> (7954)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7955)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7956)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7957)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7958)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7959)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7960)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7961)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7962)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7963)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7964)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7965)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
102160 280560

<222> (7966)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7967)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7968)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7969)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7970)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7971)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7972)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7973)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7974)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7975)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7976)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7977)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7978)

09950083 091201  
T 02160" E800560

<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7979)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7980)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7981)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7982)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7983)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7984)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7985)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7986)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7987)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7988)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7989)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (7990)  
<223> n equals a,t,g, or c

09050083 091201  
T02160 E800560

<220>  
<221> SITE  
<222> (7991)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7992)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7993)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7994)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7995)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7996)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7997)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7998)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (7999)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8000)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8001)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8002)  
<223> n equals a,t,g, or c





0950083 091201

<221> SITE  
<222> (8015)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8016)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8017)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8018)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8019)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8020)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8021)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8022)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8023)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8024)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8025)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8026)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

10950083 091201

<222> (8027)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8028)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8029)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8030)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8031)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8032)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8033)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8034)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8035)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8036)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8037)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8038)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8039)

09050083.091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8040)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8041)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8042)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8043)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8044)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8045)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8046)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8047)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8048)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8049)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8050)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8051)

<223> n equals a,t,g, or c

09950083 091201  
"02150" 88005650

<220>  
<221> SITE  
<222> (8052)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8053)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8054)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8055)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8056)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8057)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8058)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8059)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8060)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8061)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8062)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8063)  
<223> n equals a,t,g, or c

0950083.091201  
T02160"E805650

<220>  
<221> SITE  
<222> (8064)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8065)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8066)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8067)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8068)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8069)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8070)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8071)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8072)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8073)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8074)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8075)  
<223> n equals a,t,g, or c

<220>

0950083.091204  
T02T60"E80D560

<221> SITE  
<222> (8076)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8077)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8078)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8079)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8080)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8081)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8082)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8083)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8084)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8085)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8086)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8087)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201

<222> (8088)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8089)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8090)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8091)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8092)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8093)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8094)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8095)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8096)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8097)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8098)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8099)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8100)

09950083 091601  
T02F60 E8005650

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8102)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8103)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8104)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8105)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8106)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8107)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8108)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8109)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8110)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8111)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8112)

<223> n equals a,t,g, or c



0950083"091201  
T02160"E800560

<220>  
<221> SITE  
<222> (8113)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8114)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8115)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8116)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8117)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8118)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8124)  
<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8125)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8126)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8127)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8128)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8129)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8130)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8131)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8132)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8133)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8134)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8135)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8136)  
 <223> n equals a,t,g, or c

<220>

0950083 091201  
T02T60 E8005560

<221> SITE  
<222> (8137)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8138)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8139)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8140)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8141)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8142)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8143)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8144)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8145)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8146)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8147)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8148)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0950083 091201  
T02T60" E8005650

<222> (8149)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8150)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8151)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8152)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8153)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8154)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8155)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8156)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8157)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8158)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8159)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8160)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8161)

09950083 091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8162)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8163)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8164)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8165)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8166)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8167)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8168)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8169)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8170)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8171)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8172)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8173)

<223> n equals a,t,g, or c

0950083 091201  
T02T60 2800560

<220>  
<221> SITE  
<222> (8174)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8175)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8176)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8177)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8178)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8179)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8180)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8181)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8182)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8183)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8184)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8185)  
<223> n equals a,t,g, or c

09950083-091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (8186)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8187)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8188)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8189)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8190)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8191)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8192)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8193)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8194)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8195)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8196)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8197)  
<223> n equals a,t,g, or c

<220>

09950083-091201

<221> SITE  
<222> (8198)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8199)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8200)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8201)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8202)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8203)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8204)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8205)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8206)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8207)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8208)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8209)  
<223> n equals a,t,g, or c

<220>  
<221> SITE



09950083 091201

<222> (8210)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8211)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8212)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8213)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8214)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8215)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8216)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8217)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8218)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8219)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8220)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8221)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8222)

09950083 091201  
T02T50" E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8223)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8224)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8225)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8226)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8227)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8228)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8229)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8230)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8231)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8232)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8233)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8234)

<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8246)
<223> n equals a,t,g, or c
```

0950083 091201

<220>  
<221> SITE  
<222> (8247)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8249)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8250)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8251)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8252)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8253)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8254)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8255)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8256)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8257)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8258)  
<223> n equals a,t,g, or c

<220>

0950083 091201  
T02T60" E8005660

<221> SITE  
<222> (8259)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8260)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8261)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8262)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8263)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8264)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8265)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8266)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8267)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8268)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8269)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8270)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (8271)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8272)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8273)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8274)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8275)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8276)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8277)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8278)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8279)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8280)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8281)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8282)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8283)

09950083 091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8284)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8285)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8286)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8287)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8288)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8289)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8290)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8291)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8292)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8293)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8294)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8295)

<223> n equals a,t,g, or c

TO2T60" E3DD5660

<220>  
<221> SITE  
<222> (8296)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8297)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8298)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8299)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8300)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8301)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8302)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8303)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8304)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8305)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8306)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8307)  
<223> n equals a,t,g, or c





09950083 091201  
102150 2800560

<221> SITE  
<222> (8320)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8321)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8322)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8323)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8324)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8325)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8326)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8327)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8328)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8329)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8330)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8331)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0950083 091201  
T02160" E8005650

<222> (8332)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8333)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8334)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8335)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8336)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8337)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8338)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8339)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8340)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8341)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8342)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8343)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8344)

```

<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8345)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8346)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8347)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8348)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8349)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8350)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8351)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8352)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8353)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8354)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8355)
<223> n equals a,t,g, or c
<220>
<221> SITE
<222> (8356)
<223> n equals a,t,g, or c

```

09950083-091201  
T02T60"E8005660

<220>  
<221> SITE  
<222> (8357)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8358)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8359)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8360)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8361)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8362)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8363)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8364)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8365)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8366)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8367)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8368)  
<223> n equals a,t,g, or c

09950083 091201  
102160 28005660

<220>  
<221> SITE  
<222> (8369)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8370)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8371)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8372)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8373)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8374)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8375)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8376)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8377)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8378)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8379)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8380)  
<223> n equals a,t,g, or c

<220>

09450083 091201  
102150 28005660

<221> SITE  
<222> (8381)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8382)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8383)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8384)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8385)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8386)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8387)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8388)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8389)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8390)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8391)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8392)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE

0950083 091201  
T02T60" E8005660

<222> (8393)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8394)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8395)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8396)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8397)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8398)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8399)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8400)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8401)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8402)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8403)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8404)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8405)



05950083 091201  
T02T50" E8005650

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8406)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8409)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8410)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8411)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8412)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8413)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8414)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8415)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8416)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8417)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8418)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8419)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8420)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8421)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8422)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8423)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8424)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8425)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8426)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8427)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8428)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8429)  
<223> n equals a,t,g, or c

0950083 091201  
T02T60"E80D560

<220>  
<221> SITE  
<222> (8430)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8431)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8432)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8433)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8434)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8435)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8436)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8437)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8438)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8439)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8440)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8441)  
<223> n equals a,t,g, or c

<220>

09050083 091204  
102750 0800560

<221> SITE  
<222> (8442)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8443)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8444)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8445)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8446)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8447)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8448)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8449)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8450)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8451)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8452)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8453)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (8454)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8455)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8456)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8457)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8458)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8459)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8460)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8461)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8462)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8463)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8464)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8465)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8466)

09950083 091201  
T02T50" E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8467)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8468)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8469)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8470)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8472)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8473)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8474)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8475)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8476)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8477)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8478)

<223> n equals a,t,g, or c

09950083 091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (8479)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8480)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8481)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8482)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8483)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8484)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8485)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8486)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8487)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8488)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8489)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8490)  
<223> n equals a,t,g, or c

0950083-091201

<220>  
<221> SITE  
<222> (8491)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8492)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8493)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8494)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8495)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8496)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8497)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8498)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8499)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8500)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8501)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8502)  
<223> n equals a,t,g, or c

<220>



TDZT60"E8005660

<221> SITE  
<222> (8503)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8504)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8505)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8506)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8507)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8508)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8509)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8510)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8511)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8512)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8513)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8514)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
T02T60 E800560

<222> (8515)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8516)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8517)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8518)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8519)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8520)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8521)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8522)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8523)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8524)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8525)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8526)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8527)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8528)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8529)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8530)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8531)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8532)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8533)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8534)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8535)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8536)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8537)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8538)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8539)

<223> n equals a,t,g, or c

09950083-091204  
T02T60" E8005560

<220>  
<221> SITE  
<222> (8540)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8541)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8542)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8543)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8544)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8545)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8546)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8547)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8548)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8549)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8550)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8551)  
<223> n equals a,t,g, or c

0950083 091201  
T02T60 2800560

<220>  
<221> SITE  
<222> (8552)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8553)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8554)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8555)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8556)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8557)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8558)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8559)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8560)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8561)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8562)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8563)  
<223> n equals a,t,g, or c

<220>

0950083 091201  
T02T60 E2005560

<221> SITE  
<222> (8564)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8565)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8566)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8567)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8568)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8569)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8570)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8571)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8572)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8573)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8574)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8575)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

095003 091201  
TOT60 E805560

<222> (8576)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8577)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8578)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8579)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8580)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8581)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8582)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8583)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8584)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8585)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8586)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8587)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8588)

095003 091201  
T02T60" E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8589)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8590)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8591)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8592)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8594)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8595)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8596)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8597)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8598)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8599)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8600)

<223> n equals a,t,g, or c



095003 "09101  
T02160" 88005660

<220>  
<221> SITE  
<222> (8601)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8602)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8603)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8604)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8605)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8606)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8607)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8608)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8609)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8610)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8611)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8612)  
<223> n equals a,t,g, or c

0950033 091201

<220>  
<221> SITE  
<222> (8613)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8614)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8615)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8616)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8617)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8618)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8619)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8620)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8621)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8622)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8623)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8624)  
<223> n equals a,t,g, or c

<220>

09950083 091201  
T02T60" E8005660

<221> SITE  
<222> (8625)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8626)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8627)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8628)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8629)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8630)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8631)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8632)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8633)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8634)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8635)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8636)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950033 091201  
T02T60" E200560

<222> (8637)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8638)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8639)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8640)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8641)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8642)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8643)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8644)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8645)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8646)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8647)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8648)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (8649)

09950083 091201  
102150 18005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8650)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8651)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8652)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8653)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8654)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8655)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8656)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8658)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8659)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8661)

<223> n equals a,t,g, or c

TOCT60" E8005650

<220>  
<221> SITE  
<222> (8662)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8663)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8664)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8665)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8666)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8667)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8668)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8669)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8670)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8671)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8672)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8673)  
<223> n equals a,t,g, or c

0950083 091201  
T02T60 E800560

<220>  
<221> SITE  
<222> (8674)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8675)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8676)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8677)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8678)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8679)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8680)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8681)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8682)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8683)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8684)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8685)  
<223> n equals a,t,g, or c

<220>

```

<221> SITE
<222> (8686)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8687)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8688)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8689)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8690)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8691)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8692)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8693)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8694)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8695)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8696)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8697)
<223> n equals a,t,g, or c

<220>
<221> SITE

```



102160" 8805660

<222> (8698)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8699)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8700)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8701)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8702)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8703)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8704)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8705)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8706)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8707)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8708)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8709)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8710)

0950083 091201  
T02T60" E800560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8711)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8712)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8713)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8714)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8715)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8716)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8717)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8718)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8719)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8720)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8721)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8722)

<223> n equals a,t,g, or c

09050083 091201  
102160 09050083

<220>  
<221> SITE  
<222> (8723)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8724)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8725)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8726)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8727)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8728)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8729)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8730)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8731)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8732)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8733)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8734)  
<223> n equals a,t,g, or c

0950033 091201  
T02T50" E0005660

<220>  
<221> SITE  
<222> (8735)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8736)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8737)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8738)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8739)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8740)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8741)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8742)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8743)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8744)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8745)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8746)  
<223> n equals a,t,g, or c

<220>

09050083 091201  
T02T60" E2005660

<221> SITE  
<222> (8747)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8748)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8749)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8750)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8751)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8752)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8753)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8754)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8755)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8756)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8757)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8758)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

095003.091201  
T02T60'E8005660

<222> (8759)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8760)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8761)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8762)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8763)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8764)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8765)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8766)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8767)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8768)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8769)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8770)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8771)

095008109160" E8005560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8772)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8773)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8774)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8776)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8777)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8778)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8779)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8780)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8781)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8782)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8783)

<223> n equals a,t,g, or c

0950083-091201

<220>  
<221> SITE  
<222> (8784)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8785)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8786)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8787)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8788)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8789)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8790)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8791)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8792)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8793)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8794)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8795)  
<223> n equals a,t,g, or c



09050083 091201 102160 " E8005660

<220>  
<221> SITE  
<222> (8796)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8797)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8798)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8799)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8800)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8801)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8802)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8803)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8804)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8805)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8806)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8807)  
<223> n equals a,t,g, or c

<220>

0905003 091201  
102150" E300560

<221> SITE  
<222> (8808)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8809)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8810)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8811)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8812)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8813)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8814)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8815)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8816)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8817)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8818)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8819)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (8820)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8821)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8822)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8823)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8824)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8825)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8826)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8827)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8828)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8829)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8830)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8831)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8832)

09950083 091001  
T02150" E8005650

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8833)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8834)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8835)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8836)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8837)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8838)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8839)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8840)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8841)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8842)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8843)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8844)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8845)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8846)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8847)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8848)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8849)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8850)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8851)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8852)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8853)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8854)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8855)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8856)  
<223> n equals a,t,g, or c

05050083 091201  
T02T60 "E8005660

<220>  
<221> SITE  
<222> (8857)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8858)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8859)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8860)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8861)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8862)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8863)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8864)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8865)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8866)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8867)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8868)  
<223> n equals a,t,g, or c

<220>

0950083 "091201  
T02T60" E8005660

<221> SITE  
<222> (8869)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8870)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8871)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8872)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8873)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8874)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8875)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8876)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8877)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8878)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8879)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8880)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (8881)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8882)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8883)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8884)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8885)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8886)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8887)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8888)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8889)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8890)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8891)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8892)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8893)



0905003 091201  
T02150 E800560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8894)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8895)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8896)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8897)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8898)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8899)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8900)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8901)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8902)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8903)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8904)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8905)

<223> n equals a,t,g, or c

09950083 091201  
FD2150" E8005660

<220>  
<221> SITE  
<222> (8906)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8907)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8908)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8909)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8910)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8911)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8912)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8913)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8914)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8915)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8916)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8917)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8918)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8919)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8920)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8921)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8922)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8923)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8924)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8925)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8926)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8927)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8928)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8929)  
<223> n equals a,t,g, or c

<220>

05050083 091201  
T0250 E2005650

<221> SITE  
<222> (8930)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8931)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8932)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8933)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8934)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8935)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8936)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8937)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8938)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8939)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8940)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8941)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (8942)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8943)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8944)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8945)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8946)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8947)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8948)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8949)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8950)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8951)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8952)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8953)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8954)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8955)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8956)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8957)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8958)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8959)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8960)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8961)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8962)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8963)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8964)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8965)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8966)

<223> n equals a,t,g, or c

09950083.091201

<220>  
<221> SITE  
<222> (8967)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8968)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8969)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8970)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8971)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8972)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8973)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8974)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8975)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8976)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8977)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8978)  
<223> n equals a,t,g, or c

09950083 0912241

<220>  
<221> SITE  
<222> (8979)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8980)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8981)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8982)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8983)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8984)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8985)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8986)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8987)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8988)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8989)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8990)  
<223> n equals a,t,g, or c

<220>



0950033 091201  
T0760 090550

<221> SITE  
<222> (8991)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8992)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8993)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8994)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8995)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8996)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8997)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8998)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (8999)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9000)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9001)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9002)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

```

<222> (9003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9006)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9007)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9013)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9015)

```

03950083 091301  
"00000000" 00000000

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9016)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9017)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9018)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9019)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9020)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9021)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9022)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9023)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9025)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9026)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9027)

<223> n equals a,t,g, or c

095003-091201  
T02160"E8005550

<220>  
<221> SITE  
<222> (9028)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9029)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9030)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9031)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9032)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9033)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9034)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9035)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9036)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9037)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9038)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9039)  
<223> n equals a,t,g, or c

095003 091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (9040)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9041)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9042)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9043)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9044)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9045)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9046)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9047)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9048)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9049)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9050)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9051)  
<223> n equals a,t,g, or c

<220>

09950083 091201  
T02T60" C8005660

<221> SITE  
<222> (9052)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9053)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9054)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9055)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9056)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9057)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9058)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9059)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9060)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9061)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9062)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9063)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

090350083 091204  
102160 88005660

<222> (9064)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9065)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9066)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9067)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9068)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9069)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9070)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9071)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9072)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9073)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9074)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9075)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9076)

0950083 091204  
T02160 E800560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9077)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9078)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9079)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9081)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9082)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9083)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9084)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9085)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9086)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9087)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9088)

<223> n equals a,t,g, or c



095003-091601  
"095003-091601"

<220>  
<221> SITE  
<222> (9089)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9090)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9091)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9092)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9093)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9094)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9095)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9096)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9097)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9098)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9099)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9100)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9101)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9102)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9103)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9104)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9105)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9106)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9107)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9108)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9109)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9110)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9111)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9112)  
<223> n equals a,t,g, or c

<220>

09950083-091201  
T02T60 E8005660

<221> SITE  
<222> (9113)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9114)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9115)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9116)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9117)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9118)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9124)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (9125)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9126)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9127)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9128)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9129)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9130)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9131)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9132)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9133)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9134)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9135)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9136)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9137)

09050083 091201  
T02T60 E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9138)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9139)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9140)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9141)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9142)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9143)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9144)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9145)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9146)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9148)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9149)

<223> n equals a,t,g, or c

TO2T6D "E80D5650

<220>  
<221> SITE  
<222> (9150)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9151)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9152)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9153)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9154)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9155)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9156)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9157)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9158)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9159)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9160)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9161)  
<223> n equals a,t,g, or c

095003 091204  
T02160 E8005660

<220>  
<221> SITE  
<222> (9162)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9163)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9164)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9165)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9166)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9167)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9168)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9169)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9170)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9171)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9172)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9173)  
<223> n equals a,t,g, or c

<220>





0950003 091201  
102150 000560

<222> (9186)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9187)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9188)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9189)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9190)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9191)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9192)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9193)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9194)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9195)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9196)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9197)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (9198)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9199)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9200)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9201)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9202)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9203)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9204)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9205)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9206)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9207)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9208)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9209)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9210)

<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9211)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9212)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9213)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9214)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9215)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9216)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9217)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9218)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9219)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9220)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9221)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9222)  
 <223> n equals a,t,g, or c

09550083.091201

<220>  
<221> SITE  
<222> (9223)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9224)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9225)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9226)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9227)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9228)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9229)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9230)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9231)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9232)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9233)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9234)  
<223> n equals a,t,g, or c

<220>

09050037 091201  
T02T60" E800560

<221> SITE  
<222> (9235)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9236)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9237)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9238)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9239)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9240)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9241)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9242)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9243)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9244)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9245)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9246)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

<222> (9247)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9249)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9250)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9251)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9252)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9253)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9254)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9255)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9256)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9257)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9258)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9259)

095003 091201  
"FO2T60" E800560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9260)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9261)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9262)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9263)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9264)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9265)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9266)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9267)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9269)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9270)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9271)

<223> n equals a,t,g, or c

09950083 091201  
T02T50" E8005660

<220>  
<221> SITE  
<222> (9272)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9273)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9274)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9275)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9276)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9277)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9278)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9279)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9280)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9281)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9282)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9283)  
<223> n equals a,t,g, or c



09950083 091201  
102160" 8800560

<220>  
<221> SITE  
<222> (9284)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9285)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9286)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9287)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9288)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9289)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9290)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9291)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9292)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9293)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9294)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9295)  
<223> n equals a,t,g, or c

<220>

```
<221> SITE
<222> (9296)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9297)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9298)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9299)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9300)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9301)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9302)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9303)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9304)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9305)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9306)
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (9307)  
<223> n equals a,t,g, or c
```

<220>  
<221> SITE

09950083-091204  
T02160-88005650

<222> (9308)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9309)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9310)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9311)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9312)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9313)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9314)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9315)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9316)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9317)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9318)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9319)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9320)

0950083 091201  
T02160 E800550

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9321)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9322)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9323)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9324)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9325)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9326)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9327)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9329)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9330)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9331)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9332)

<223> n equals a,t,g, or c

09950083 091201  
T02T60" 2800560

<220>  
<221> SITE  
<222> (9333)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9334)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9335)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9336)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9337)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9338)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9339)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9340)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9341)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9342)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9343)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9344)  
<223> n equals a,t,g, or c

09050037 091201  
102150 E800560

<220>  
<221> SITE  
<222> (9345)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9346)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9347)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9348)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9349)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9350)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9351)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9352)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9353)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9354)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9355)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9356)  
<223> n equals a,t,g, or c

<220>

09950083 091201  
T02T60" E8005660

<221> SITE  
<222> (9357)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9358)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9359)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9360)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9361)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9362)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9363)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9364)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9365)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9366)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9367)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9368)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

```

<222> (9369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9379)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9381)

```



09950033 091201  
T02T60 "E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9382)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9383)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9384)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9385)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9386)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9387)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9388)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9389)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9390)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9391)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9392)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9393)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9394)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9395)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9396)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9397)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9398)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9399)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9400)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9401)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9402)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9403)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9404)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9405)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9406)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9407)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9408)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9409)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9410)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9411)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9412)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9413)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9414)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9415)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (9416)  
<223> n equals a,t,g, or c

<400> 12696  
gtgacttgta gctttaacaa aaattagggt ccctagttgc agctgccagg gaaagctagt 60  
ctaatatcaa agcaaaccat ccttcttctc aagcacagag tttttaagat aggagtgtgt 120  
gtgtattgac attttcctag cagtggctga agtcaaggac caggagattt agggccact 180  
tggagttctt atggtgaaac agtagtagct tcctagagac ctttaaagct tatctgtaat 240  
ttgtatagtt cagaagatac tgtatacatc attatttctc cctgctttca aaacaggaag 300

ggggtgtgga	gagtaacaca	ctaaaaaaag	gataagtaat	taatttctgg	gtaagaattt	360
ccttttggct	taaaatggac	tgatgggtgta	agttcctccc	tttgcaagca	gaagctttga	420
agatagtgag	ctagatgaag	ctctgggacat	cttgaatgaa	gtattctgta	taagaaccaa	480
gtgtataata	actgttagta	atagaggctg	ctcatagaaa	tgctattgca	ttataattgt	540
agggacagtt	tgtcagagag	taggtagaag	attatcagac	ccaggttttg	ttcttggctc	600
acatgaagtc	atcaagtagg	ctattttaa	gcttcacttt	aaccataggc	taagattaaa	660
ttaaaaataa	aaagcttttg	tcattggccg	gcacagtggc	tcatgcctgt	aatcccagca	720
ccttgggagg	ctgaggtggg	tggatcacct	gaggtcagga	atttgagact	ggtctgacca	780
acatggtgaa	accctgtctc	tactaaaaat	acaaaaatta	gccgggcacg	gtggtgcacg	840
cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	cgcttgaacc	tgggaggggg	900
agggtgcagt	gagccgagat	cgtaccattg	cactccagcc	tgggggacag	agtgagactc	960
cgtctcaaaa	aaaaaaaaaa	aaaaagcttt	tgtcaattaa	agatgcttgt	cagtactgag	1020
tattcatgtt	gctatggcac	ttttataaga	aaactgtaca	cggtcatatc	tgcttccgaa	1080
aataatacat	agtgaagatg	taattttaca	ggcaattaag	aatttgctgg	ccaggcgagg	1140
tggcttacac	ctgtaatccc	agcacttttg	aaagccaagg	tgggtggatc	acctgagggtc	1200
aggagtttga	gaccagcctg	gccaacatgg	cgaaaccctg	tctctactaa	aaaaaaaaat	1260
ccaaaaaatt	agccgggcat	ggtggcaggc	gcttgtaatc	ccagcaactt	gggaggctga	1320
ggcaggagaa	tcacttgaac	ccgggaggca	gaggttgacg	tgagccgaga	tcgcgccatt	1380
gcactccacc	tgggcaacaa	gagcaaaaa	tccgtctcaa	aaaaaaaaaga	atttgctata	1440
atagaagatc	catgtgtaca	ttctgtatgc	aaatccttag	aagatattag	atcccagaag	1500
gttaaagttc	cgatctctat	atatttgtat	atgctttaag	gagaagtggc	atccatgtag	1560
atgtggtaaa	tggcttataa	ctctcgaggt	ttccaatttc	tgctgtggta	gcaattctaa	1620
actcagatgg	acttggacac	tactctggat	tactgtccct	aaatatcaac	tactgtttat	1680
aagccagcag	aggccaactg	aaatagtaca	cataaagttc	ctacagcata	tccctcagtc	1740
agaagtggaa	aaagattgatt	aaagttggag	tataaacata	tggggccctg	accaaaaata	1800
ttgaaccgta	ctactagaaa	tccccattct	ttagctaaag	gataatctga	cttcactttt	1860
aattcttcat	tgactatttg	tgctctgaaa	gaataggaaa	taatagcaaa	acatgggaac	1920
tcctagatag	catacattta	tttttaaaat	gtataccatc	ggccaggcac	catggctcac	1980
gcctgtaatc	ccagcacttt	gggaggccaa	ggtgggcgga	tcatttgagg	tcaggagttg	2040
gagaccaccc	tgggcaacat	ggtgaaaccc	catctctact	aaaaatacaa	aaactaactg	2100
ggtgtggtag	cacacacctg	taatcccagc	tactcaggag	gctgaggcag	tagaactgct	2160
tgaacctgga	agacagagg	tgcaggggag	caagatcacg	ccactgtact	atagcctggg	2220
agaaaacaaa	caaaaaacat	atggtcaact	tcccaagtaa	actgaccaat	gtcagtttag	2280
gttcagctct	actgtaggag	tgccctgcct	aggccagcgc	ctctcaacct	ttccactaag	2340
tacattaaga	tcctaacagt	aatcattggg	accccaggtc	atcgctctca	cagaagctcc	2400
agatttcttc	aagtcttggc	cctcttgttt	tatatcaaaa	ttttatgtat	attattttta	2460
tattttcaaa	aattctcccc	agatcatcaa	gtaatatgta	gatgctgaca	tagaaaaaag	2520
tagattttcca	gctggtatga	tcagtgataa	attggacttc	atcaaaaatta	aaagcttttg	2580
tgcaccaaa	gatactatca	agaaagtaaa	aagctatccc	acagaatagg	agaaaatatt	2640
tgtaaatcat	aagtctagta	ttcagatgtc	taaagaactc	ttagaattca	acaataaaaa	2700
gataacccag	tttacaaaa	ggatatgaat	agacagttct	ctaaaagaga	catatacatg	2760
gccaataagc	tcgtgaaaag	ctgtttaata	tcttttagtca	ttagggaaat	gcaaatcaaa	2820
accacaatga	tatatcattt	cacacctact	aggatggcaa	taatcaaaaa	cacacaaaa	2880
gatgttggtg	aagatcacga	gaaattggaa	ccctcaagca	ttgctggtgg	gaatgtaaaa	2940
tgggtgcagc	acttgtggaa	aatagtttgt	cagttcctca	aaaagttcac	agttaccata	3000
tgaccagca	attccattcc	tagggttaca	cccaagggaa	ctgaaagcat	agattcacac	3060
aaaaacttgt	acacaaatgt	tcatagcttt	attataatag	ccaaaagtgg	aaacaaccca	3120
gttggtccacc	aattggggaca	aattgaatga	atacacaaaa	tgttatatcc	acacaatgga	3180
atgttattca	gccataagaa	aacaatgaaa	tcttgatcac	atgctgagac	acagatgaac	3240
cttgaaaaat	tgtgacatga	aacaagccag	acacaaatgg	ccacatattg	tatgattcca	3300
tttatatgaa	ataccagaa	taagctaatt	cgtaaagaca	gaaaatagat	tgggtggtgc	3360
taggggataa	gaggaaggg	gaattgggaa	tggccactat	gcggtacagg	gtttctaatg	3420
ttctggcatt	agatagcaga	gatgaaaatg	ttctggcatt	agatagtggg	gatgggtgca	3480
taacactgaa	tatactaaaa	tccactgaat	tgtacactta	aaaaaatgaa	gaaagaagga	3540
ctatgcatga	tcaaagaaaa	aaatgctttg	tgctcaagta	gggatagaat	aaacagtaag	3600
actggaaaga	ctgtgaaggg	ccttgaatgg	caagctaagg	aagttagctt	tcattctata	3660
gatcgtagga	agccaccaga	gtattttgag	caggggtggc	atgtttaagg	tagtggtata	3720
ggaagtttaa	tttgtgaaat	gagaaagaga	tactatcagc	caggagagg	agaaggttct	3780
ataaagtcaa	attgaacacc	cgaagtttca	gattttcatga	atgaccctgg	gtatgtgtgt	3840
atacacatat	gtatgggatt	tgtagtcatc	tggggaaggc	tgaggtgcta	atatgaatac	3900
tgaaaactag	agagggtaat	atagcagagt	agttaaaaat	gaaaacactc	tgaaccaca	3960

tgctgtctgg	gttcaaattc	cagctgggct	accttccagc	actgtgacct	taggtaagtc	4020
actaaccctg	tctgtgcttc	agcttcctct	tccgtaagat	aaggatacct	actcatcaag	4080
gttggtttga	ggattaagtg	ggttaataca	tacaaagtgt	ttacaatgtc	aagcttaaag	4140
aaaggcccc	aaaaatgtca	gctgctagtc	tgaaactcca	gagcaggttt	gagagtaacc	4200
cgctgttggt	ctctgccccg	gataaactat	gaagtaacag	tcctaaagtg	ttaaaagaca	4260
aaacaaattt	ttctttgtga	aaaatgaccc	tttaaaaaaa	ctccatctac	taataatgaa	4320
gcttagtagt	agtaaaatga	tgattttttag	ccataaaacg	ggttttctat	atcttcacaa	4380
atatagtgtg	gagtttcaca	atattctttg	atatgaacca	gtctctcata	ctttctgtat	4440
agcactgatt	cgctaagtaa	gatgccaaag	catgacctcc	cttcaggaat	tgggaatctg	4500
catttttaat	aagcatccta	ggtaattctt	tttttttttt	tttttttttt	gagacggagt	4560
ctcgctctgt	cgcccaggcc	ggactgcgga	ctgcagtggt	gcaatctcgg	ctcactgcaa	4620
gctccgcttc	ccgggttcac	gccattctcc	tgccctcagcc	tcccaagtag	ctgggactac	4680
aggcgcccc	caccgcgccc	ggctaatttt	ttgtattttt	aatagagacg	gggtttcacc	4740
ttgttagcca	ggatgggtct	gatctcctga	cctcatgatc	caccgcctc	ggcctcccaa	4800
agtgtctgga	ttacaggcgt	gagccaccgc	gcccggccgc	atcctaggta	attcttatgc	4860
atgatacagg	ttgagaccag	tgccatgtac	agaagtggga	aaaatggctt	atgaaactca	4920
gttgatttta	gcacactgtg	ttagacataa	aatttgaaaa	cccaacctgg	acaacacagt	4980
gagaccaggt	ctctactaaa	ataaaataaa	taagtgaaca	ttgaaaacca	atggatagta	5040
gaatgtattc	agttcagtga	gacatgaaac	aatatttttg	cttaattgaa	tcaaacatat	5100
gttaaaaaaa	aaaaaaaaaac	tcaccctact	cccaaagcac	tcaataaatt	cttcagagaa	5160
aaggaagagc	tttttgctact	acattgcctc	taaaatcttc	tgtaggataa	gacattttta	5220
gatcacttaa	aatcttggtt	taagttttta	agtctcattt	taataaccaa	ataaaatggg	5280
ttttatttga	gccagtttca	agttcttaaa	gtgacacata	ggacttaaca	aaatccatta	5340
gttgctcattt	gtgctttgcc	catttttact	gatttcttca	tactctgaag	gaaaaaaaaa	5400
gctacaaatg	tatgttggtg	tataagagag	tgcatctccat	aaatattaga	aatttttttt	5460
ttcttttttt	gagatggagt	ttcactcttt	cgcccaggct	ggagtgcagt	gggtgccatct	5520
cagctcactg	caacctctgc	cttccagttt	caagtgatcc	tcctgcctca	gcctcctgag	5580
cagctgggat	tacaggcgcc	cgccaccacg	cccagctaac	ttttgtattt	ttagtagaga	5640
tggggtttca	ccatgttggc	caggctgggc	ttgaactcct	gaccttgtga	tccaccacc	5700
tcagcctccc	aaagtgtcgg	gattacaggc	gttagccact	gcgcccggcc	agaaaaatat	5760
tttatagaat	tcaaacttgt	attttctttt	gaagggatat	aaaaaggggt	agagaaccca	5820
acaaccacac	ttattcaaat	ttataaggat	aattaggagt	attctcatgg	ttatcttttag	5880
aatcttagca	gggtaaaaaa	gagtttattg	tttcatttgc	tgaaactcct	gagaagaagt	5940
ctcaccacat	ttgtatttacc	agagattaga	tttggcaact	ctaaagacaa	gagaaattac	6000
tcatgataag	tgtttgagg	ggttgagag	aaaacagcta	attaggcact	tggcagtgtg	6060
gcagggaac	ctttgggcaa	cccagtcag	attagggttag	aagaggagca	cggacctttt	6120
gtccactgca	aaccagtgcc	acaaatgaag	tgggaagaga	cagggttacca	catactgggt	6180
ggacttgaga	gagaaccaga	aagtgtacaa	tcccataagc	ataaaaaatg	gggataaaac	6240
ttcaagtgtg	tataagggta	agaacaggag	gaagcagtaa	cagagagggc	aggagagaaa	6300
gatcagaagg	aatcggacgc	ctgagaagag	gaactggggg	ctgagtccct	tcctggcctg	6360
gccgctcccc	atctctccct	ctgcctctga	gggcttcagt	tttcccaagt	gagaaacagc	6420
tgtgctagat	tgcttctaca	gtcctttcca	ctctgtgacc	gaaacagttg	cccctgcac	6480
taaaataact	agctctagca	tataaaatgc	aggtttacct	aactcccccc	cgactccac	6540
atctcactcc	cttccctttcc	ctgcctgccc	taattctggc	tgcgttctgt	tcttgcctca	6600
tatggactct	ttttctcctc	cccttctttt	ccaatgtcat	gcagtctctt	aacactgggt	6660
ttcaaccact	atacagaaaa	atgttagtga	aaaaggaaga	ggggttccat	gctgcttgat	6720
tctccctaac	caggcacact	aaactagggg	tgacagtgtg	tcacaaagtc	cagactcaca	6780
gtcttgctgc	cccttctcct	cttcaaagtt	tgtttccgaa	gtaccacccc	ttgcacctca	6840
catcccagcc	aactctgcct	acctgtcagc	cccagccctc	ctcaggcctg	cctcagcctc	6900
acagccagga	tcctaccaac	accaacaccg	cgccaaataa	ccctcccaa	aagcctcacc	6960
ggaactaatc	tggggactct	gcctattatt	aggaacacct	tggatgaagc	ccctacccgc	7020
agaattctgg	cagtgcagc	agaattttca	ggcatgtgcc	taattttggt	gggggtgggt	7080
ttgattattt	tttttaaatc	taggattttt	gggatctgaa	gcttatacaa	tcttggatat	7140
cttctttaag	aaaaagaata	caaaaatatc	ttctataagt	tttacaaaaa	tatatgacca	7200
tgtgagcagc	ttgctagctc	ccgccccac	cccaccccc	agagccttgg	aaggggagtg	7260
aaactgaagc	tttttttagct	tcattggcaaa	tatgcttctt	cctgagagta	ctgggtacat	7320
tcacagacct	ttatttttta	ctttctatag	atttaattta	gttaagtcag	ttcgaagcgg	7380
gcaaaggcca	aaattttctca	cccctaggtg	gctcaaattt	ctgagcctga	gattttatat	7440
cttaaaatcc	attaaaagaa	tactcaattt	tcggccgggc	gcagtggctc	acacctataa	7500
tcccagcact	ttgggaggct	gaggcgggca	gatcacgagg	tcaggagatc	gagactatcc	7560
tggctaacac	ggtgaaaccc	cgtctccact	aaaaatacaa	aaaattagcc	aggcgtgggtg	7620

gcgggcacct	gtagtcccag	ctacccagga	ggctgaggca	ggagaatggc	gtgaacccgg	7680
gaggcgggagc	ttgcagttag	ccgagatcgc	gccactgcac	tctagcctgg	gcgacagccg	7740
tctcaaaaaa	agaatactca	atttttaaga	agttaggtgt	aggtatgctt	atataaaata	7800
tttagacatg	cataagtatt	ttaagtggcc	tgaaggaagt	acatgtatgc	tacttttgca	7860
aatatatttcg	cttttttttt	tttttttttt	gnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	7920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	7980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8040
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9420
gcctataatc	ccagcacttt	gggagctctg	ggcgggcgga	tcaccagagg	tcaggagttc	9480
aagaccagcc	tgaccaacat	ggtgaaaccc	catctctact	aaaaatacaa	aaattagcca	9540
ggcatggtgg	cacacgcctg	tagtcccagc	tacttgggag	gctgaggcag	gagaattgct	9600
tgaacctgag	aggcagaggt	ttcagttagc	caagactgca	ctactgcact	ccagcctgag	9660
gaacagagcg	agactctgtc	tcaaaaaaaa	aaaaaaataa	aaagaatgta	agtaatttgc	9720
ccaagctgca	gagctaaatt	ttaactaga	taattctgat	tccaaagccc	agataatctg	9780
gctagaagtt	gcaccagggg	attcactgat	ttacaaagaa	ttagaatgtg	ataaaattcc	9840
ctgagtacag	gcaagtgtga	tttttatctt	tgctagttaa	gccatttaga	tgtcttaaag	9900
tgcctcaatc	tgttgacact	gttctactaa	aacaaagaaa	tgagtcaacg	gcctctttta	9960
gctttaacat	tctctctgtc	tatacatttt	tatagaataa	tttttagtta	ttgcagcagg	10020
tttcaccagt	cagccaacgg	gtgtgtataa	cattaatcac	tagcactaca	cctcagaagt	10080
cttgcttatt	aagagcactc	agcttaagtg	aagaaattaa	agaatttttg	taggcctttg	10140
ggacagttca	agtttaggtt	gtttggctgg	gttgagagag	taaaaaacta	acatttctta	10200
acctaacctt	ttttctttct	ttctcacagg	taacaactat	ccaatagctt	acctttaaaa	10260
tgtccccctt	attgttcctc	cctcagacat	ttttgatcac	ttgtcccagt	ttccatgagt	10320
cctgtatcac	agctgtcaca	atgcttgagc	tatttaggtg	gaggtaactt	tcagaaatga	10380
actgctgaag	ggtgcagagt	gctcaagaat	tagattaaca	aagaaagtac	acctaaattt	10440
agcattaaaa	tgaactttta	aaatatTTTT	caataggagg	ataagcaaac	ataaaaaatg	10500
gtgtgcttat	gtctataaac	aggtgctgga	gcatagattg	ttatctggac	atcaaagaat	10560
aatagagctg	tagcttttaa	agagcacaca	gctggttatt	agtgattcac	tcccagggtca	10620
ctgccaagtg	ccaaggcatg	tggcaagaat	agtgaattgg	aaatcagggtg	atgtggattc	10680
taatttgagc	tctgtctgtg	taaccttggg	cattgcaagt	atcccccttg	gaccttagtc	10740
tcttatctac	ctaattgaagg	gtttggagca	ggtaattctt	cagtttctaag	taagaatctg	10800
tattcatgaa	taactgttca	gcatatgact	cagcccaagg	tgtacaggat	tgctggagtg	10860
tgggaaggtat	gttggtctct	gcctgtacta	gcaacaaggc	ttaatctagt	gaacagaaag	10920
gatcaaaggt	ggctatatcc	ccacctaaat	gtccatgata	tacaagtgct	cttctagctg	10980
gcagagtggg	tcagtaatga	gattttgtat	ctcattatat	gaagttctaa	gcactgaacc	11040
taatcagttta	cccatcactt	aagtagacag	tgtcaggcag	agcttaactc	tccttcctat	11100
tttcctttgt	cttccttttc	tctgtaagtt	ctctaacata	aggaacttcc	attttggtga	11160
aagaatagaa	aagttgaggg	acaggccagg	tgtgttgtaa	gtaagactga	tccagctgat	11220
tggtttgcca	tttagattgc	atggcagaca	tctgccataa	gcacttaaaa	cacaccttca	11280

ataggcatta	gaaagcacac	acacggccaa	acatagtagc	tcacacctgt	aatgccaaata	11340
ctttgtgagg	ctgaggcagg	aggattgctt	gagcccagca	gttcaagacc	agcctgggca	11400
atatagcaag	atgccatctc	tacaaaaaat	tttaaaatta	tctgaatgtg	gtagtacatt	11460
cctgtggtct	cagctactca	gggggtctgag	gtcggaaagat	cacttgagcc	caggagatca	11520
aggctgcagt	gagccatgac	tgtgccattg	cactccagcc	tttgcgacag	agcaagaccc	11580
tgcctcaaaa	cacacacact	gactagggat	ggtggcttat	gcccagcact	ttaggaggct	11640
gaggcaggca	gatcacttga	ggtcaggagat	ttaagaccag	cctggccaac	atggtgaaac	11700
cctactctac	taaaaataca	aaaatcagcc	atgctggccag	gtgcagtggc	tctgcctgt	11760
aatcccagca	ctttgggaag	ctaaggcagg	aggatcacct	gaggtcagga	gttcgagacc	11820
agcctgacca	acatgggtgaa	atcctgtctc	tactaaaaat	acaaaattag	ccccgtgtgg	11880
tggcgccctgc	ctgtaatccc	agctacttgg	gaggctgagg	caggagaatc	acttgaaccc	11940
aggaggcaga	ggttacgggtg	agccgagatc	acgccattgc	actccagcct	gggcaacaag	12000
agcgaaactc	catctcaaaa	aaaaaaaaaag	aaaagaaaat	cagccatgca	tggtgacaca	12060
cagttgtaat	cccactctacc	tgggagggtc	aggcaggaga	atcgcttgaa	cctgggaggc	12120
agaggttgca	gtaagccaag	attgcaccac	tgcactccag	cctgggcaac	agagtgaagc	12180
tgtgtcttga	aacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	12240
taatttgcctg	ttgttttggg	ggcatggcgg	cacataccta	tagtcctagc	tacttgggag	12300
gctcaggcag	gaggatcact	tgaacccagg	aagttgaaac	tgcagtgagc	tgtgattgtg	12360
ccgctgcact	ccagcctggg	caacagagt	aagtactgtc	tcaagaaaat	aaaaaaataa	12420
agaaataaaa	acataaggtt	tagatggcaa	ctttaaaatg	tgaaggagg	atatacagtt	12480
tttcaaaatt	cttctaggag	ctatgccagc	aaaaagggtt	gaagacctga	agaccattat	12540
atcagtggca	taaacatctt	taatttgtcc	ttttccttct	cctacaccta	gtcaattgat	12600
tttttttttc	ccattttatca	atttcagact	ctgcctgggt	tttcactttc	ccatccattt	12660
tgttacaata	tttttctctc	cttgaaatta	gcccagctct	ttggagtga	tgccccatgc	12720
tccttctac	cgtctgtctc	ttactacatt	atcctccctt	ggaatgccgt	catctcttct	12780
ctgttcaaga	actacttctc	ccgaccactg	tggtcgagat	tgatttctct	ttaacctcta	12840
caacattggc	tattccatac	agttagccct	tagcatagaa	catcattgtt	tgattttgct	12900
ccttaagaat	agaaagcacc	tcttaaaatt	ctaccatatt	ccccaatgc	ctaattgcaat	12960
gctaaccaca	tagtgagtgc	ttaataaata	ttgtattgac	tgcttagagt	acagagcact	13020
tgttcactca	ttgttcggcc	attcagctaa	tactttttga	gaaattttgt	gtaccaggaa	13080
ctgtactatg	cactggggta	cggtagggac	taaagtagat	gataatccct	gctttgaaag	13140
actgaaaagt	aagatatatg	gtatgtcaaa	aggtaataag	tactgagaag	aaaaatagaa	13200
aaagcaggaa	agaagaacaa	gaagtgtgtg	atggggggagg	gttacagggt	ggggaggggg	13260
agtgttgtat	acacttctag	ataagatagg	gaagtcctca	ctgatactta	tggtgacatt	13320
ttacaaagga	cctgaggtgt	aggaaggatt	tgagcttatc	tgtgcaaaga	gccttccagg	13380
caaggaactt	accatgtgaa	ggcaccaagg	ctggacctgc	ttaacatttc	aggaagggaa	13440
agctttgggg	ctggagcaga	agggtagagg	ccagattgag	agatgagtca	gaggacagt	13500
gggcccgggc	agagggacag	aacctgcggg	tgctggcaat	cagccttttg	atctgagtga	13560
gaatagaggc	cttgagaggg	ctttgagcag	aggagtgacc	tgctgactta	agttgaatag	13620
aaccctctag	atgcttcatt	aaggctagac	tgaagggagg	caaaggcagg	gtgagatcag	13680
tcaggaggca	agtatataat	gataatacat	tgaatataat	aatgatatat	taataataat	13740
aatccagaga	tagtggcaac	tcagaccagg	ggaagcagta	gaggcggaga	gaagtgggtca	13800
gattttggat	ttattttgaa	ggtagaacag	acaggattgc	tgactctgtt	gagtagtcag	13860
ctgggagcta	ttgatgggtt	ctgagcagga	gctgaaggaa	gattaccccg	gtataggact	13920
gctgggaaga	cgtgggtgcag	gcagagatca	ggtaggaggc	cattgcaagg	atttaagggt	13980
gagatccata	agggttttta	ctgcaaatca	gcagaggaaa	aagggagtgg	tgatgggtcat	14040
ggtgacagt	atgggtgagag	agactggaaa	ggaggaaatca	acaggatttc	atgactagat	14100
aacagagaac	caatatgaag	aaggaaaaca	cttttttttt	ttttttgaga	cggagtctgg	14160
ctctgttgcc	caggctggag	tacagtgaga	cgatctcagc	tcactgcaac	ctccgcctcc	14220
tgggttcaag	cgattctcct	gcctcagcct	cctgagtagc	tgggattaca	ggcatgcacc	14280
accacgccc	gctaattttt	gtatttttag	tagagatggg	gtttcaccat	gttgggtcagg	14340
ctgggtcttga	actcttgacc	tgggtgaccc	cctgccttgg	cctcccaaag	tgctgggatt	14400
acagacgtg	agccaccatg	ccctggcagg	aaaacacact	tttgaatgtt	gtgtgacctg	14460
gagaatggta	acactgttaa	tttaaaaaaa	aaaaaaaagc	ccagagaagg	ctgatttagg	14520
gagaaattta	tgctttagtt	atacagagtt	tgagatggta	atgaaatatc	aaattaaaac	14580
tgtccagcaa	ggaagttagga	aatgtggaac	tgaaaaagaa	gttagaacta	aagatgtgga	14640
tctgtctttg	gcataaagat	tatattaagt	tacttgagag	tagatgagtt	tccaaagaag	14700
cagtgtagca	agaatagtgg	agggccaaga	ctggatcctg	ggggtcagca	acatctagga	14760
gccagaaaaa	atgccttcgg	tgaaagaaac	ggaagatgg	gtctattcaa	attgtagtca	14820
gccaacccat	gccagaagta	agcacagaaa	gtaagagtga	acattggcca	agcacagtgg	14880
ctgatgcctg	taatcccaac	actttgggag	gccaaaggcg	gcagattgct	tgagctcagg	14940

agttcgcagac	cagcctgcagc	aacatgggtga	aactccaact	ctacaagaaa	ttagccggctc	15000
ctgtgacacac	ctgtagtccc	agctgctagg	gaggctcagg	tgggaggatc	acttgaacct	15060
agaaagttta	ggctgcagtg	agctgtgagc	atgccactgc	actccagcgt	gggcaacagc	15120
ccggtgggtc	acgcctgtaa	tcacagcact	ttgggacgcc	aaggcaggtc	gatcacttga	15180
ggtcaggagt	tcgagactag	cctggccaac	atggagaaac	cccatctcta	ctgaaaatac	15240
aaaaattagc	tgggcattggt	gggtgcacac	tgtataacca	gctactcggg	aggctgagac	15300
aggagaatca	cttgaacctg	ggaagcggag	gttgccgtga	gccaagatca	tgccactgca	15360
cttcagcctg	gacaacacag	agagactctg	tcccaaaggg	aaaaaaaaaga	aaaagatcca	15420
ggagatccat	tcctaggtat	ataccaaga	gaattgaaaa	cataaaaaaca	tatgttcaca	15480
caaaaacttg	tacatgggct	catacctgta	attgcagcac	tctgggaggc	caaagcagga	15540
ggatcatttg	aggccaggag	ttcaagaccg	gcctaggcaa	catagtgaga	ccctgtctct	15600
acaaaatgca	tgaatgtttg	tagcagcatt	cttcataatg	ttcctaaagt	ggaaacaacc	15660
cagttgtttg	tcagctgatg	aatgggttag	ttatatgcag	agtatccagg	cttgggcgtg	15720
tggctcatgc	ctgcfaatcct	agcactttgg	gaagtgcagg	tggacagatc	atttggagtc	15780
aggaaattcaa	gaccagcctg	agcaacatag	tgagaccttg	tctataaaaa	attttttaaat	15840
gttaaaaaaa	agaatgcaga	gtatccatac	aacgggatat	tattcagcca	taaacaggaa	15900
tgaagtactg	atacatgcta	caacatggat	gaaccttgaa	aacatgctaa	gtgaaataag	15960
ccagacacaa	aggctctacac	attgcctgac	gccatttata	tgaaacacct	agaataggcc	16020
aatctataga	gacataaagt	agatgaatgg	ttgccaggct	ctggggagtta	agagagaatg	16080
ggaaatgatc	gccaacatgt	atggggttct	tacttgaggt	gatgaagata	ttctgaaatt	16140
agatatagat	tggggatggc	tgcacaacct	tttttttttt	tcttttttag	atggagctct	16200
gctctgttgc	caggctggag	tgcagtggcg	caatctcagc	tcactgcaat	ctctgcctcc	16260
tgggttcaag	caattctcct	ccctcagcct	cctgagtagc	tgggactaca	ggcaggcacc	16320
accacgcccc	gctaattttt	tgtttagtaga	gacagggttt	caccatgttg	gccaggatgg	16380
tcttgatctc	ctgacctcgt	gatctgccct	cctccggctc	caaagtgtct	gggattacag	16440
gcataagcca	ccatgcccg	cgacaacctt	ttgaatatac	taaaaaacat	tacattttac	16500
actttgaagg	gtgaattttt	tggtaaatta	tatctcagta	gaaaaaaatc	caggaaactg	16560
tgtatagtca	gccttccata	tttgtgggtt	ccacattcat	ggattctta	ctaaataata	16620
atacaataat	aaaaatataa	ataaaaaaca	atatgctata	tagcagctat	ttgcattgca	16680
tttacattat	attaggtatt	atgagtaatc	cagagatgat	ttaaagtgtg	tgtgaagatg	16740
tgcataggtt	acatgcaata	ctacaccata	ttatataagg	gacttgagca	tctgtgggtg	16800
ctgctgcgag	tactagaacc	aatccttcct	ggacaccaag	agataactgt	attcaaaacc	16860
aatgaaacca	gtgaaagaga	agtttcaaaa	agattgaaaa	cacagcaggg	cagtcaagga	16920
aaccagggag	aaaggaaaga	ctagtggatt	tgggtattag	aagatgaaag	attaaaacaa	16980
atcattccat	atcagcatgc	agtcctatga	ctactcctaa	aagttcctga	gacttcttta	17040
aggaatctct	tggggtaaa	aattattttt	atgatactac	taagatgtat	ttgtcttttc	17100
ccatgttgta	cacttgcaat	gatgttgcaa	aatgggtgta	aaactgctgg	cgccttagca	17160
caaatcagga	cgggtgacac	aaactgtacc	agtggctact	gcattcttta	ctgccatgca	17220
ctcacaatca	aaacagagcc	agtttcactt	aagaatcgtt	gatgaagtgg	taaaattttt	17280
ttgttttttt	tttttgaggc	agggctctac	ccaggctaga	gtgcgggtggg	ggcatcacag	17340
ctcactgccg	cctcaacttc	ctgggctcag	gtgatgtctc	ctcagcctcc	tgagtagctg	17400
aggctacaga	tgtgcaccac	cacacctggc	taattttttg	ttttgttttg	ttttgttttg	17460
tttttagaga	tggggtttca	ctctgtcgcc	caggctaaat	attgttaatt	gtatcaaatg	17520
tcagtccttg	aataaatctt	ttttttttta	ctggtatgca	ccaccacacc	cagctaattt	17580
ttgtattttt	agtagagacg	gggtttcgcc	atgttggcc	ggctggctcg	gaactcctga	17640
cctaaagtga	tctaccgcgt	ttggcctccc	agagtgtctg	gaggtgtggg	ccaccatgcc	17700
tgatcctgag	tacatctttt	taaaacttgt	tgaagaaatg	ggaaatatgc	ataaaccgcc	17760
tctgctgcac	actggtagag	tacggtggtt	gtcacaaagg	aaagcatttg	ggcgattatt	17820
caagttgcat	attgattttg	cagcttcttt	tttcaccgac	caccattttt	acttgaaaga	17880
atgatagaca	aactatgggt	ttagacttag	gcactctggc	gacagtctct	tgaaactgta	17940
tgaagtgcag	ctgtcacttc	aaggtaaaca	aatgacaata	tttgtagcca	gtgataaaat	18000
ttacattttc	agtaaaaaat	tagaattttg	gaaaacttgt	atccagctcc	atgagacttg	18060
ccactttttc	atatatacag	actttttctg	tgaatcaaat	ggcgaaattt	aaggattatg	18120
attttttgat	atgtatttcta	atgaaatatg	tcagtatttta	gaagatctgc	ctaacaacag	18180
ggaaccagta	ttttgcagtg	atctatgtgt	gatgttacaa	agtcatgcat	ggtaaaatat	18240
ccattcaaag	tgcaagagaa	gccaatgggt	tttattataa	caaaagttcc	taactgttaa	18300
gaaactacta	cttgtcaagt	tttgatgtag	cgctaaagaa	tatccaaaat	tatctgaaaa	18360
tgcagatact	ttctctgtct					



attaatataa	tgtgtagtag	ttttactggt	aatatTTTTt	ctgaattaat	catatctttt	18660
actttttttt	tagttttatt	ttcttccttt	tttttttttt	tttgatttgg	agtctcgtct	18720
tggtgcctag	tctgggagcac	agtggcgtag	tctcagctca	ctacaacccc	cacctcctgg	18780
gttcaagcga	ttctcctgcc	tcagcctccc	aagtagctgg	gatcacaggc	gcctgccacc	18840
atgtctggct	ggtttttgta	tttttagtag	ggtttcacca	tggtggccag	gatggtctca	18900
aactcctgac	ctcaagtgat	ccaccacctt	cggcctccca	aagcattggg	attacaggag	18960
tgagccacca	caccagtttt	ttagtcttat	tttctaacac	agtagacatt	gatatatagt	19020
tcccacatta	acaaaaagttg	tttgggggtgc	tcaattttatt	tatttattta	tttattttatt	19080
tatttattta	ttttattttta	attttctttt	tgaggcggag	tctcactgtg	tcgcccaggc	19140
tggagtgcag	tggcacaatc	tcggctcact	gcaagctctg	cctcccagggt	tcacaccatt	19200
ctcctgcctc	agcctcccga	gtagctgggg	ctacagggtgc	ccgccaccac	acccgggctaa	19260
ttttttgtat	tttttagtaga	gacagggttt	caccatgtta	accaggatgg	tctcgatctc	19320
ctgacctcgt	gatccgcccc	cctcagcctc	ccgaagtgct	gggattacag	gcatgagcca	19380
ccgtgccccg	cttatattttt	ttttattttt	atttattttat	ttattttattt	ttgagacagg	19440
gtctcaaaaa	aaacaacttt	gttgcccagg	ctggagtgc	gtggcatcat	cgtagctcat	19500
tgtagcttct	gtctccccag	actcagggtga	tctcctctgc	tcagcctctc	aagtagctgg	19560
gactacaggc	acgcaccacc	cacccacccc	aactattttt	tttatttttt	gtagagacag	19620
agtcttgcta	tggtgcccag	gctggtctca	aactcctggg	ttccagtgat	tctcccgctc	19680
cagcctccca	aagcactggg	attacagggtg	tgagccacca	ctcccagcca	aatttaccag	19740
acttaatgga	aacagtccat	ttctgtttct	tcagatgaaa	cctcacaact	ttaggattaa	19800
taagtaatct	cacaactatt	gtacaggaaa	taagaaaacg	ttcccgttaa	caatgcacgt	19860
tgtgatagat	ctgggtccctg	acacaaacag	cacttggaac	tgagtgaagt	ccagagactg	19920
aataatacag	ttctatccac	tcctgtgtct	tgactacaac	ccctgaagag	ggcttgtaga	19980
aattaaatgt	atcccagcag	ctgcttgaaa	gaccacagca	ttggccgggg	acggtgactc	20040
acgcttgtaa	tcacagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	tcaggagatc	20100
gagaccacgg	tgaaacccctg	tctctactaa	aaatacaaaa	aattagctgg	gcgtgaggc	20160
gggcgcctgt	agtcccagct	actcggagag	gctgaggcag	gagaatggcg	tgaacccggg	20220
aggcggagct	tgcagtgagc	cgagattgca	ccactgcact	ccagcctggg	cgacagagac	20280
tctgtctcaa	aaaaaaaaaa	aaaaaacacg	cattttgaat	gtccctagca	ttagggatta	20340
taaagggtccc	attctagtag	aagatcctca	ggtttgaggt	gtactaaagg	tcatcatcct	20400
tcgcctgcta	ataaatttct	gaagtcctctg	ctttaaaca	acaatcaaaa	agaaggaaca	20460
gttacagtgc	tgccaaacaa	gttctttttt	tttttttgag	atggagtttc	gctcttggtg	20520
ccagggtgga	gtgcaatggc	gtgatctcgg	ctcaccacaa	cctccacctc	ccaggttcaa	20580
gcaattctgc	ctcagctctc	cgagttagctg	ggattacagg	catgcactac	cacgcccagc	20640
taatttttga	tttttttttag	tagagacagg	gtttctccat	gttgaggcta	gtctcaaaact	20700
cctgacctca	ggtgatccgc	ctgcctcggc	ctcccaaagt	gctgggatta	caggcgtgag	20760
ccacggcgcc	cggccaacaa	gttctttaca	acctctgggt	tgttacaaac	ccatctgggtg	20820
ctaataaagg	taaggcatca	acccaatct	ccaagctgag	aattttatcc	tcaggactga	20880
gcactgcggc	ctgcattcgg	atgttagtgg	ggctgtcaga	accgtgtctc	atgctgttaa	20940
aagtggaagt	ccttcccact	cagacccacg	gaagccaact	ctgatgagtg	ggaggggtgag	21000
cagaaggggc	ttcgggtcatt	ttttatagat	tcttcaggta	actctagcca	ccatattaag	21060
cattggctcc	cacaaaaaag	cattaaggct	cagaaacatc	ttgtagggtc	acaccctccc	21120
taaaaaacagc	acatccctga	agtgggtgct	ggcgaccag	gctccaaaagc	ccgctgagct	21180
gagcggcagc	caagaacaag	gtttggtgtt	tacatactca	aaatcagcct	gggttggtcac	21240
agcaactcac	ctcagcacag	ttcttccttc	tccacggcgg	cttgcttcca	ggctttgctg	21300
ttctccgcta	ccgtcttaac	gttcctgcta	acctggcctg	ctgcattctt	tttatttttc	21360
tcccatttcc	tccgccttct	tctcatgtgt	ttgctagtgt	gcaatacctc	acctgtttgg	21420
aactcaacaa	cgccccctcc	tgcaaaaacgc	acctgaaaac	aagaaatagc	acacaaggcc	21480
tctaagtggc	cagaacagat	gttaccaggc	ctaagtcctat	aaggaaagca	cccaagcccc	21540
ttgctttttgt	cttaaatctt	ttttttttta	cacctttaaa	ataaggttat	ggttttctaag	21600
gcctgcgcta	aattaggagt	agggagagga	actatttgcca	agcaccacaa	aagttcaaga	21660
ggtgactgtt	gatcccagag	tagcaaggaa	agggacagac	aggctataag	aagtgagcac	21720
aagaactcag	aactcaggac	agtgtaggcc	ttgttagagt	caggcagaca	atttcacata	21780
cctcagaacg	tcataaagcc	atcatgactt	tactctggaa	tagatacgat	ccagacacct	21840
agaaaatgtt	aaattagatt	caacttaaag	aggcagagta	atatgtgtgg	tgtttttttaa	21900
tttcgagcat	tccaaatggt	taagggtttt	catgcttaaa	gagagaaact	tagctacct	21960
gaacttattt	atgagtgtct	tagataatta	tctactgttt	tatttttttt	tatttatacc	22020
ccgttactaa	acaaaaagta	aaaataaagc	aaaagattga	aggcattgac	atttagtcta	22080
tatactttct	agttctctggc	tctagttctt	agcaatatatt	gctgctaacc	tggtgttctg	22140
tctctgccaa	atttctgccc	atgtgaaata	tatgagactt	gatcctattt	ccttgctcat	22200
tgatctacct	gaaaggttca	tagatgtctc	cacctcccta	gagctagtga	tcctatatcc	22260

catcatctca	gccagctaga	aaacgaacca	tcacatgcc	cctcctaccc	aattacgtgc	22320
ttcataaaca	gaatacctgg	catatagcag	gcattttacta	aacacttggt	gaatgaatac	22380
atgagccagt	aatccataag	atatctgtag	aattaattac	agttgagcct	tgaacagcgc	22440
agggtcctatg	ggatcccacc	ccttgtagac	tcaaaaatcc	tcataaaact	tttttttctt	22500
ttttttttga	gacagaatct	tgctcgttgc	ccaagctgga	gtgcaatggc	gtgatctcag	22560
ctcactgcc	cctccgcctc	ctgggttcaa	gcaattctcc	tgccctcagct	tcccaagtag	22620
gtgggattac	aggtgcctgc	accacgccta	actaattttt	gtatttttag	tagagatggg	22680
gtttcaccat	gttgccaggg	ctcgtctcaa	actcctgatc	tcaggcgacc	cacccgccta	22740
agcctcccaa	agtaggggat	tacaggtgtg	agctgccgca	cccggccgac	aggtgtaact	22800
tttttttttt	tttttttttt	ttttgagaca	gagtcctcact	ctgtcaccag	gctggagtgc	22860
agtggctctc	tctgctcact	gcaatctctg	ctcactgcaa	cctctgcctc	ccaggttcaa	22920
gcgattcccc	tgccctcagcc	tcctgagtag	ctgggactac	aggtgtgtgc	caccatgccc	22980
agctaatttt	ttgtatttta	gtagagacgg	aatttcacca	tgtagccag	gatggtctcg	23040
atttcctgac	ctcgtgatcc	acctgcttca	gcctcccaaa	gtgctgagat	tacaggcatg	23100
agccaccaca	cccggccaca	tataactttt	gactctccaa	aaacttaact	actaatagaa	23160
gacttaccaa	tagcataaac	aagttgatta	acatatattt	tgtagtcat	ttgtgttata	23220
tatgtatttc	ttaccataaa	gtaaactata	gaaaagaaaa	tgttattaag	agaatcataa	23280
gcaagaaaaa	atatgtttac	tcttcattca	gtggaagtgg	atcagcataa	aggtcttcct	23340
cctcatgac	ttcaggttga	gcaggcaagg	aggaggagaa	agagaaaggg	ttgccatctc	23400
agcagtggca	gaggcagagg	gaagtctaag	gggacccttg	ctgttcaaaa	ttgtgttgat	23460
caaggggtcaa	ctatacttgc	atgaagctat	aaatttaaga	gcctagccta	ttatgggaac	23520
agcaattaaa	aaaaaaaaaca	ccagttggcc	gggctgtgtg	gctcacgcct	gtaatcctag	23580
cactttggga	ggccaaggca	ggtggatcac	ctgaggtcag	gagttcgaga	ccagcctggc	23640
caacatgggtg	aaataccgtc	tctactaaaa	atacaaaaat	tcactgggca	tggtggcggg	23700
cacctgtaat	cccagctact	tgggaggctg	aagcaggaga	atcgcttgaa	cctagggggc	23760
ggagggttga	ctgagctgcc	aagatcgctc	catcgcactc	tccagcctgg	gtaaaaacag	23820
ctaaactcca	tctcaaaaaa	aaaaaaaaaa	accagttgat	cctggcacca	ggaagatcaa	23880
atggcatttg	tttgtttgtt	tgttttgaga	cagagtctcg	ctctgttgcc	caagctggag	23940
tgcaatggca	cgatctcagc	tcactgcaaa	ctctgcctcc	caggttcaag	tgattctcct	24000
gcctcagcct	cccgagtagc	tgggattaca	ggcaccgcgc	accacacca	gctaattttt	24060
tatatTTTTg	gtagagatgg	ggtttcacca	tggtggccag	tatggtctca	aactccggat	24120
ctcaagtgat	ccaccacact	cagcctccca	aagtgccttg	gtttacaggc	gtgagccact	24180
gcaccagcca	gtacagtttt	ttgttttggt	ttatttttgt	tttttgagac	ggaatctcgc	24240
tctgtcgccc	aggctggagt	gcagtgggtg	catctcagct	cactgcaagc	tccgcctccc	24300
gtgttcattgc	cattctcctg	cctcagcctc	cctagtagct	gggactatag	gcgcccgcga	24360
ccacaccggg	ctaatttttt	tttttgattt	tttagtagag	acgggggttt	accgtgttag	24420
ccaggatagt	ctcgatctcc	tgtcctcatg	atccgcccgt	ctcagcctcc	catagtgtctg	24480
ggattacagg	catgagccac	cgcgcccagc	cttttttttt	tttttttttt	taatgtatgg	24540
gggaaaaatg	actagaagga	cagaaaccaa	catataacat	gattgtgtgc	atttacttat	24600
ttaacaaata	attgagcaat	ttattttctgt	atgatactat	tctaagcggt	ttagagttaa	24660
gcaaactcac	agtaaactgt	attgcccattg	ataaaaaactg	cagttacata	attttaaagc	24720
aagaatcgca	gcaattcatc	aggcacagtg	actcacgcct	gtaatcccaa	cactttggga	24780
ggccaaggca	ggaagatttc	ttgagcccag	gaggtcaagg	ccagcctggg	caacatagtg	24840
agaactcatg	tccacaaaaa	ttacaaaaata	gccaggcatg	gtggcaagca	cctgtggtcc	24900
cagctactca	agaggctgaa	gttggaggat	cacttgagcc	caggaggtca	aggctgcagt	24960
gagcgatgat	cgtgccactg	cactccagcc	tgggtgacag	agcaagagac	cctgtctcaa	25020
aataaataaa	aataaaagca	agaattgcag	aaagtataaa	ccatgaccaa	ctcaagagaa	25080
taatcaatga	aagaataggc	agaatgtctt	tccaaaaagc	agttgagaga	tccccatcct	25140
ccacatatgc	actagtgcag	tggggatggt	gccaggcatg	gccgccagac	ctctagatag	25200
aacactgaag	gtgagtctgc	agtaaagcca	tgggaatgtgc	taatttttagt	ttaggaatac	25260
caaattttat	tgaccgtttt	taatttcaata	agcaaccctt	ggccatgtat	aatcagttca	25320
tgacccatca	gaagatcctc	tgtggttcac	tctaggcctt	tggactatac	tctgaatcat	25380
ggcttttagaa	gacatttttt	tagtatactt	aaatggattt	tataacttgg	ttgatgcccc	25440
gattacagac	tgtgaggagt	atctccacat	aacttgtaac	tgctatatat	gcagtcagca	25500
attccagtat	ttagcctgat	attaattttat	atttttctct	ataatctgat	aatacagtg	25560
tagcaagata	gatcacaaag	tgtaaatgag	tgtttctgga	gcatagatgg	gtacgctcaa	25620
atctttgtat	cttggttttt	aatagagacg	gggtttcgtc	atgttgctca	ggctgggtgc	25680
gaactcctcg	gctcaagcaa	tccccttgcc	tcagcctccc	agagtgtctg	gattatacat	25740
gggagccacc	atgcctagct	tccttgatc	atttttttaa	attcaagtaa	gagaaaaatg	25800
ctggcaatag	ttcataagct	ataaatgaaa	cctagtctta	ggaccagct	ttatattgcc	25860
tcaatcaaat	attaatatct	ttagttcaaa	atttgtattt	acaaaaaact	tttgggtcct	25920

ggggataccg	ttattgcctt	ctctgttgcc	atccatataa	tgtatgttgt	tttttttttc	25980
tctctccctc	tgggctgcgt	ttcatgccag	ataaacttcc	aaaccaaact	gggatggcac	26040
caggcacaaa	taacactctt	cttatctttt	ccccatcta	ggttaccctt	ttgcttttgt	26100
ttatcggcac	taccttttct	acaaggagac	ctacctcatc	cacctcttcc	atacctttac	26160
aggcctctca	attgcttatt	ttaacttttg	tgagtaaact	aaattagcag	tgacaccgca	26220
attagtggga	acctggaagg	aacagacttg	aacaaaattt	ccttgagaga	atctaatagg	26280
tagggaagtt	ataatgctcc	cacttgcaaa	gagggttgta	tgaagaggaa	cacagcttaa	26340
cttttccttt	ttttctttta	tgtacattct	tctgtcagat	aaaaacattt	tgagggtggt	26400
tacccttgcc	atacctcatc	aacaaagaat	cctcagtttc	tctgtgctgt	ggatgtaact	26460
gaatgaccga	gccaaagcag	ccccacttag	attcattctt	cacttcagac	attcaaaaaa	26520
acagtaacaa	gctgggtgtg	gtagcccgga	attcaaggct	gcagtgcgct	atgattgagc	26580
tactgcactc	aagtctggac	aacagagcaa	gtcgcactct	taaaaaaaca	aacaaaaaaa	26640
gaaaagaaat	aaaataacac	cctaataatc	ttttttattt	taataaataa	tttccatcct	26700
ctcctccaaa	acatgaggtt	attctgaaaa	aaaagatcct	gatgccaaaca	ttttttcttt	26760
atatattacg	ttgtgatttg	aagtctcagg	acgggtgggag	tgtaaaaacc	aggctaaatt	26820
ctctcttctt	gcattccagga	aaccagctct	accactccct	gctgtgtatt	gtgcttcagt	26880
tcctcatcct	tcgactaatg	ggccgcacca	tcactgccgt	cctcactacc	ttttgcttcc	26940
agatggtaaa	cgtctttccc	ttagcagctc	aggctacagc	tgacagcggt	tcaggggaca	27000
ggggtaggca	ggggactgtg	gtatagaaat	tagcagacct	aattttctaac	ccctctccca	27060
gcacttagca	gtatgacttc	aggtaggttg	cttatcacag	gcccaagtgt	tccatccaca	27120
gattgtaatg	gtaactcttt	gcctgcctca	aggaagggcc	accagctaac	cctttgcata	27180
ctgtgccatt	aggctctttg	gtttaaccca	ctatccagga	gcagagtcac	ttcaaggcaa	27240
gacagaaaag	caacttagaa	tgagttaaag	aacctaagcc	tagggccaggc	aaagtggctc	27300
acacctgtaa	tcccagcacc	ttgggaggcc	aaggcagtca	gattgcttga	gcccaggagt	27360
ttgagactaa	cccgggcaac	atggtgaaac	cccatctcta	caaaaaaat	acaaaaatta	27420
gccctccagc	ctgggcaaca	tggtgaaaca	aaaaaaatta	aaaattagcc	gggtggggtg	27480
gcatgcacct	gtggtcccag	catctaaatt	ctcatctcag	tttagccctc	attttgccaa	27540
gaagccttga	gcaacgctct	tcccattaca	ggtttttcagc	acctccattt	gtaggaattt	27600
attaaggctt	ttaatgatgg	gatgaggaga	aaggaaaaag	gaaagagaac	attgaatttc	27660
agagcaagga	gaagaaatag	tagtgatgct	agaataaata	cttctgcctc	tcctaggcct	27720
accttctggc	tggatactat	tacactgcc	ccggcaacta	cgatatcaag	tggacaatgc	27780
cacatttgtgt	tctgactttg	aagctgattg	gtgagtgatg	gtcactgcct	gccttcctta	27840
catgtaggct	cctcccccat	ctcactaaaa	acttctctcg	cacccccctt	ccgccccccg	27900
ccatacactt	ctggctgcac	tcagtctaca	ggccacatcc	tcagtgtcct	ctcccaccac	27960
cctaccatc	cgttctctct	ctgctcaggt	ttggctgttg	actactttga	cggagggaaa	28020
gatcaggtaa	gtaccatttc	atcggcagag	aggttcaaga	cttaatgaaa	gggaagaaaa	28080
aagttgttaa	caaaagactg	aacccaaatt	ccagagcgga	gcctctccct	cattccccag	28140
cctgtgcaat	ctccctttca	gatagcactg	agcaaggatc	aacaaatcta	atttgcccag	28200
gatccagctc	ttgcacaaag	tccagagatc	aatgccagca	aggcatttgc	taaagcagca	28260
acagccagct	atgcacacac	atacgcattt	ccacaagaag	caactatttg	tcatccccca	28320
aagagaaggc	tatttgaaga	acccagtc	gtggggcaca	caggtgggga	acactcaaag	28380
tggctcttgt	ggggagattc	aaggctatcc	tgaacctgc	attctcttct	tggcatagaa	28440
ttccttgttc	tctgagcaac	agaaatatgc	catacgtggt	gttccttccc	tgctggaagt	28500
tgctggtttc	tctacttctt	atggggcctt	cttggtaggg	ccccagttct	caatgaatca	28560
ctacatgaag	ctgggtgcagg	gagagctgat	tgacatacca	ggaaagatac	caaacaggta	28620
attgccccct	ttgggtccaga	tgtttgtgta	ggtatttcac	tcactctgaa	gtgactcttc	28680
tgaaagctgc	attctccagc	atgaccctgg	catagagacc	tgagtcatgc	aggccctgga	28740
ctgttgtaac	aggcactctg	tgccaggagt	gggccccttt	tagtttaggg	ttcttccagt	28800
tatccattct	aacactagta	caaacataaa	aatccacatt	tatgccacag	gattttgcct	28860
gaaccagtca	catttctgcc	tttaaagcct	attttcatgt	atatatgaaa	tatatattatg	28920
attgataggt	aggtaggcag	gttgataggt	aggtaggtag	atagaggctg	ggcacagtgg	28980
tttccactct	ataatccagc	cactttggga	ggccgaggtg	ggaggatcac	ttgagcccgt	29040
gagttctaga	ccagcctggc	aacatagaga	gactctgtct	ctacaaaaaa	atacaaaaat	29100
tatcagacat	agtggcatgc	atctgtagtc	caagctacat	aggaggctga	agtgggagaa	29160
ttgcttgagt	ccagggggagg	tgggtcaagg	ctgcagtgcg	ctttgatcac	accactgcac	29220
tccattcttg	gcaacatagc	aaaatcctgt	ctcaaaaata	tttatcagta	ggaaatgcag	29280
gagggcacag	tggctcatgc	ctgtaatgcc	aacgctctgg	gaggccaagg	caggaggatc	29340
actggaggcc	aggagttcaa	gaccagcctg	ggcaacatag	tgagacccca	tctctacaaa	29400
aaaaaattat	ccaggcaagg	tggtagatgc	ctatagtccc	agctactcag	gtggccaagg	29460
caaggggatc	gcttgagccc	aggagttaa	ggccacagcg	agcaatgact	atgcctctgt	29520
actctagccg	gagtggcaga	gcaaggccct	gactctagaa	aataaaaaat	aaaatggtaa	29580

aaaaaaaaaa	aaaaaaaaaag	tttaattgcc	agaagaattc	cttcactgag	aacttgtcca	29640
tcctgtgttt	cagcatcaat	tcaaccaaga	aatgaaggag	cagattcaaa	gtgggttattt	29700
ttattatctt	acctccactg	ggttttcagt	cccaatggag	attgtgagac	ctggcaagac	29760
cttgagatca	gtagcatccc	tgaggggtaa	acacaagact	ggtccactgt	ctgctgccct	29820
gactttccta	caactcttaa	gaggtttgca	gtccccattc	ctcatagcca	gccatagaaa	29880
tctttccctg	aaacaggaaa	cacttttggc	agcagagctt	ctcatcccat	tccaggtaga	29940
caaccacacc	cctaaacact	cctctccata	actgaaggtc	agagggtgaa	gggaatatgc	30000
tctgctctct	gtgaccagga	acttcactcg	tctctttcca	gcatcattcc	tgctctcaag	30060
cgcttgagtc	tgggcctttt	ctaccctagt	ggctacacac	tgctcagccc	ccacatcaca	30120
gaagactatc	tcctcactga	agactatgac	gtgagtgtct	actaaagcag	cagcagcatg	30180
actgcaccag	agctagaaaa	tggacaggca	aggatcccta	cagatagcag	agaagtagga	30240
aatatcatct	acaagtgcac	gttggttttg	ctctagatct	gtgagttgtc	aatgccagcc	30300
gtgctgggac	atgttcatca	gccagcactg	aacaaccttc	gcgggcacag	ggctgtgcca	30360
ggtgcacatt	tagcaccctg	tgccttctct	aggagccgct	cctagcttgc	cttatcacat	30420
ccacgtgacc	cctcagagca	cagcagcttc	tgattctcca	tcctattttc	ttctcttgac	30480
tgatacattt	gggcacttct	agggaattca	gaaaccaagg	gaagggggga	agtgtctggc	30540
tttgctcctg	cccagctgaa	aggcttgaaa	caggttcagt	aattctgggc	aggtttctct	30600
ccttaaatta	aaatccaata	tgggcccttc	tgtacttaac	attccaaatg	ctcattccaa	30660
acactttgcc	aacgaaggca	aacagtagag	aagttaaata	cagtgtctgcc	cttgaggctc	30720
tccaagggaa	aggcgaatga	atatttctcca	ggcctctctg	ttattcctct	ctgcctattg	30780
tgaaggcaat	caggccagac	tattgagggc	atctggcagc	aggactcagg	caggtagtaa	30840
gtagccagcc	acaagtgtga	aaaggaagag	tgctgagaga	aactgcctag	tcatgtgata	30900
tccctaattg	actgtgcttt	cttccctcaa	gaaccacccc	ttctgggttc	gctgcatgta	30960
catgtctgat	tggggcaagt	ttgtgctgta	caaatatgtc	acctgttggc	tggtcacagt	31020
aagtagaaaa	gttgaaacaa	ggtcctattt	agacaagcca	tggggggccag	tatggggagt	31080
ggcaagagcc	ctaactgagc	tattccctct	caggaaggag	tatgcatttt	gacgggctg	31140
ggcttcaatg	gctttgaaga	aaagggcaag	gcaaagtggg	atgcctgtgc	caacatgaag	31200
gtgtggctct	ttgaaacaaa	ccccgccttc	actggcacca	ttgcctcatt	caacatcaac	31260
accaacgcct	gggtggcccc	gtgagctgct	ggtggggagc	ctggaccctg	gttccttctc	31320
tccactgtct	tcacagattg	gagggcaggg	gtgtaccatg	tcacccctat	gcgtctttcc	31380
catctgggca	gaaccccctg	tcgctcacac	tgactttgac	ccccacctat	acccccctcc	31440
caaaaaaacc	attactgtca	tatttgaaaa	aaaggcaaga	tataaaagtg	cgttaagacc	31500
tgggtgttac	tccagctctg	ccaatggact	tatgtcctcc	actgccctgt	ttatcaacag	31560
ctttacttgt	ttgtccccac	cactagagtg	tgggcagctt	gagtagagtg	tctgggtcac	31620
cactgatctc	agcatcagcc	tcagtcactg	ctgctgaacc	aagtggctcg	tgcgcacacg	31680
gctctcagct	ccgccttggg	tctgctttcc	atctctaaaa	gtaatcagtc	agcactgcct	31740
cctgtaccct	ctggggggcta	cacgtgggaa	cccaccagca	ctccaatcca	atcctcaggg	31800
tgaggaccca	gaggcaggtg	gcgggatgca	aggaccagtc	agtttgaggg	tcgccccacc	31860
cacccttttc	tccagctaca	tcttcaaacg	actcaagttc	cttggaataa	aagaactctc	31920
tcagggctct	tcgttgctat	tcctggccct	ctggcacggc	ctgcactcag	gatacctggt	31980
ctgcttccag	atggaattcc	tcattgttat	tgtggaaaga	caggtaggcc	tccaggggtg	32040
gggtgaaggg	gaatataagg	gacaagatgc	tgatgagctc	ctcctccctc	cccaggctgc	32100
caggctcatt	caagagagcc	ccaccctgag	caagctggcc	gccattactg	tcctccagcc	32160
cttctactat	ttggtgcaac	agaccatcca	ctggctcttc	atgggttact	ccatgactgc	32220
cttctgcctc	ttcacgtggg	acaaatggct	taaggcaagt	gaaggcctgc	ttgtgagact	32280
gggaggggact	cactgcaacc	tcaaagggtg	caaaggacac	tccaggcctg	tctaccttag	32340
tggectctct	ctccacaggt	gtataaatcc	atctatttcc	ttggccacat	cttcttctct	32400
agcctactat	tcataattgcc	ttatattcac	aaagcaatgg	tgccaaggaa	agagaagtta	32460
aagaagatgg	aataatccat	ttccctggta	agttaataca	gctaaactaa	aactaccacc	32520
aggttacaga	atagagcaac	agactggaaa	aaaacaatag	tattagaaat	ctgggggtgaa	32580
ttccaaggat	tagcctggct	actaaggaa	acagtatggg	caatgactac	tgtgacttat	32640
tgaggcatgc	taggaaacat	ctggaagggc	tatagaccag	gaattacagg	agtaactaac	32700
cagccttcca	aactcctctt	gtcttgcagg	tggcctgtgc	gggactgggt	cagaaactac	32760
tcgtctccct	tttcacagca	ctcctttgcc	ccagagcaga	gaatggaaaa	gccagggagg	32820
tggaaagatc	atgcttccag	ctgtgcctct	gctgccagcc	aagtcttcat	ttggggccaa	32880
aggggaaaact	tttttttggg	gaaggcgtct	tgctttgtca	cccacgctgg	aatgcagtgg	32940
cgggatctca	gctcaccgca	acctccacct	cctgggttca	agtgattttc	ctgcctcagc	33000
ctcccaagta	gctgggaata	caggcacgcc	accatgcccc	gctaattttt	gtatttttcag	33060
tagaaaacggg	atttcaccac	gttggccagg	ctggtctcga	actcctgacc	gcaagtgatc	33120
cacccgcctc	cgctcccaa	agtgtctggga	ttacaggcgt	gagccaccgt	gcccggccca	33180
aaggggaaac	tcttgtggga	ggagcagagg	ggctcacatc	ttccctctga	ttcccccatg	33240

cacattgcct	tatctctccc	catctagcca	ggaatctatt	gtgtttttct	tctgccaatt	33300
tactatgatt	gtgtatgtgc	cgctaccacc	accccccca	tgggggggtg	gagaggggtg	33360
caaggccctg	cctgctccac	tttttctacc	ttggaactgt	attagataaa	atcacttctg	33420
tttgttcagt	ttttcaccac	tagcattcct	gactgctctc	tttcacagtt	cttctccatc	33480
atcagggttc	tctcctttag	cacatgggaa	tctgggagct	aaagcctgcc	ttcaaagcat	33540
ggaaccaaac	tgcaaactct	gtaacctcct	atctgtccct	gaagtcccg	ggaacaaaca	33600
gttttacacc	actggatact	ttaggaaccc	caaaacaacc	aggtttgcaa	gaacagtatt	33660
cataggataa	acaaatagca	aatgtacagc	cttggcttcc	ccaaactcca	cagtctcagt	33720
gcagaaagat	catcttccag	cagtcagctc	agaccagggt	caaaggatgt	gacatcaaca	33780
gtttctgggt	tcagaacagg	ttctactact	gtcaaataac	ccccataact	tcctcaaagg	33840
ctgtggtaag	ttttgcacag	gtgagggcag	cagaaagggg	gtagttactg	atggacacca	33900
tcttctctgt	atactccaca	ctgacctaag	aaaagaacag	ttttgtcagc	caactctgtc	33960
actcagtagc	tgtttcagcc	cttcttttag	gcaggaaaac	tatggctgag	ctagtatttc	34020
agctgtgctg	ttgaatatca	aatccctaca	aaggatgaag	aaggctcctaa	ctgtgacttc	34080
caattatggc	agcagccctc	aaaggatgtg	ccctggggca	gggtgtggaa	ctgtcatgtg	34140
tcttctagct	cattgtaagc	attgttaaaa	tgcctactgc	tctgggaatt	ctatactaag	34200
ttcagctcta	ccaagaattt	cagggttgag	cccagacctt	accttgccat	gggcaaaggc	34260
ccctaccaca	aaaacaatag	gatcactgct	gggcaccagc	tcacgcacat	cactgacaac	34320
cgggatggaa	aaagaagtgc	caactttcat	acatccaact	ggaaagtgat	ctgatactgg	34380
attcttaatt	acctaaagta	aaaaagagag	aaaagtcagc	cccagaaaca	ttcccagaac	34440
cagccttcaa	ctaacagggt	tcaatacctc	accttcaaaa	gcttctgggg	gccatcagct	34500
gctcgaacac	tgagcttggt	taaaagttga	actagaaggg	ggaaaaaaga	gttcagagct	34560
agatggagac	cacagtcctt	ctgtccagtc	atcgaacaag	gaaaacccca	tggataagat	34620
gagttccctg	tgtgctttat	atctagactg	gactcctgaa	atgttaggaa	caaacagttg	34680
ccaagcatat	ggctagctgt	acagttagtg	gttcagactc	cctctttcac	tcagccagga	34740
agctactgca	agaacaggag	tggagtcttc	acaaacatag	aaaaataata	acagtccttg	34800
tcctggtatt	aatcatgttg	ttctcccatt	ttctcgctta	aaaatccaca	tttagttctc	34860
ccttttcttc	ttctccctt	cttccctact	gacaagttca	ttctaacttt	gttctaaggc	34920
ttcttaccca	tgaggccaca	aaagcggta	aaggttctgg	gaattcgggt	ctggggattc	34980
acttcaatca	gaacattctt	ctgtgtatgg	atataaacct	gtagcaagcc	agctcgggtc	35040
aggggactat	ccatcagcat	cagcaaactc	tgagcaaagc	agaaaccgag	acatgggttaa	35100
ggctgaagag	aggcagcact	cagctgccaa	cccttccata	cagaggctca	aagggtttgt	35160
agcactgttc	ctggagttac	ctggtgggtg	atatctggcc	gcgcttcccc	aggggtccct	35220
ccattcttca	acaatataga	cttgtgcttg	tcacagttdg	gtagctcata	tgtcttccct	35280
acctgaagaa	cagggaacat	gacgagagaa	cagcataagc	ttctgttacc	tagccccgtg	35340
gttcttcaag	tgtggtcccc	aaactaccag	cagcagctgc	acctggaaac	ttgttaggca	35400
aattctcagg	cccaccctag	acctactaaa	ccaggaacac	tgggggtgga	gcccagcaag	35460
cccttcgggg	gattactgtg	cagccttatt	tgcactcccc	agtgaatggt	ctgagaggga	35520
aacaggagga	agggcacaa	ctgtgacttc	acattatcta	ctaatacact	ggatttaatt	35580
aaaaaacctg	tggctgttag	gcaaggccaa	tgagacatcc	tggaactagg	caggagttag	35640
tagttagcaa	ggctgaatgc	tgtgtttatt	acaggagcag	taagtaggta	ctgtgcaaaa	35700
tatcgaagca	ccaccctcag	tttgcgtaca	ccaaacatgc	actaagtga	gagctgcaaa	35760
tctgaacaag	aaatgtgaag	gccgggcgtg	gtggctcagc	cctgtaatcc	cagcactttg	35820
ggaggccgag	gcgggcagat	cacaagggtca	ggagattgag	accatcgtgg	ctaacacggg	35880
gaaaccccat	ctctactaaa	aatataaaaa	attagccggg	catggtggca	ggcgctgtga	35940
gtcccagcta	cttgggaggc	agaggcagga	gaatggcatg	aaccaggag	gaggagcttg	36000
cagcgccact	gcactccagc	ccgggcaaca	gagcgagact	ccatctcaaa	aaaaagaaat	36060
gtgaaaacta	atgatgcagg	aggcagttta	atcaaagaaa	actctcagaa	gtaaaaggaa	36120
gaggggttat	tcccagtttt	aagacgggca	tgggggcaga	tgagtggtct	cacggctgtga	36180
atccccagac	tctgggagtt	caaggcaggc	aaatcactta	aggtcaggag	ttcaagacca	36240
gcctgggcaa	catggcgaaa	ccccatctct	actaaaaata	caaaaattag	ctgggcatgg	36300
tggcacatgc	ctgtagtctt	agctacttgg	gaggctaagg	tgggaggatg	gcttgagccc	36360
aggagacaga	gattgcagtg	agccaagact	gtaccactgc	actccagcaa	gacctgtgtc	36420
caaaaaaaag	aaaaaagaaa	gactggcatg	agcaaaggta	cagatggaat	caagacaaaag	36480
tagccagggtg	tggtggctta	tgctgtgat	cccaacactt	taggaggccg	aggtggaagg	36540
atcacttgag	cccaggaatt	tgagaccggc	ctgggcaaca	cggtgggacc	ctgtctcaca	36600
aaaaaaaaaa	aaaaaattag	ccaggcgag	tgccatttgc	tggcagtcct	agttactcag	36660
gaggatgagg	tgggaggact	gcttgagcca	gggaagtaga	ggctgcagtg	aaccatcaca	36720
ccactgcact	ctgttgccca	ggcaacagag	caagacccta	tctcaaaaaa	gaaacaaaaa	36780
agaaaaagtg	gaaacgaaga	aaggaaattt	tgaggaaaat	tgggagctga	gacactaaag	36840
ggcagtgatt	atatatgaag	ctgcttttga	aaccacagaa	tcctaattga	tcaagcacia	36900

agcAAAAAT	aattctggag	taagcagggc	aggatgggaa	tgactgacag	acactatcct	36960
aacaactctc	tgtacactgg	aaaagacatc	agaagtttga	tgttaaagaa	gtggactaca	37020
tctgtagcag	ctaaaagaaa	taattccaag	ttgcaatttg	gagtcccaag	gagcattagg	37080
gtggctcagta	aaaagtctaa	aaacaaactg	ttatatacaa	atacaagttt	tggaagggtta	37140
agttttttatg	tatcactgga	atgtatatgt	ctagcaacat	tcttgagata	tatggctcca	37200
aaaagtctgc	gaaaaaaggg	atgtagattt	tgaaattgaa	tagttgaagt	aatgtcacag	37260
agagcacaaa	gaacaaatga	ccaagaacta	agtccatgag	acacccttag	ttatagaaga	37320
aaaaaacctt	cttgaatgaa	taatacagtt	tcaaccatt	agtaggatat	aatcactgttt	37380
tctattcttt	taatagatta	caggcgcagg	ctcgtaatcc	cagctactct	ggaggctgag	37440
gcaggagaat	cgattgaacc	cgggaggcgg	aggctgcagt	gagccaagat	cgtgccactg	37500
cactccagcc	tggtagagac	tgagactcca	tctcaaaaaa	aaaaaaaaaa	aaaagtgtat	37560
ttagaacgaa	gattaaaatc	ctggcctgac	ttctaaacca	atgcgatttc	ttctgggcct	37620
attcaattag	ttctaacggg	taagagaaaag	gaggaggaag	aacactgccc	aaggctttaa	37680
gatagagaac	tgcttggttct	attacatgtg	gggaaaagaga	tgaatgatag	ataaaaaatgc	37740
agatgtaaaa	gttttaata	ataaccaggt	ctggacagtg	tatcataggt	ggatattaga	37800
gagaggtgac	tatggatact	aatgaattga	aacacgaagc	ccttacaana	agtgtgggca	37860
gactaggcta	cataactacg	tttctcatct	gccagtaac	ttgtcttggg	atgtgaaatg	37920
acgcaaggaa	cgaacttttc	ctctgcttag	actactatac	cacagaatcc	tggtaaacca	37980
attggaagca	aggaggtgag	ggctagaata	tcattcaaaa	agagcaaaag	aaaatgagta	38040
ctaccggcgg	ggcacagtgg	ctcacgcctc	taatcccaac	actttgggag	gccgaggcgg	38100
gcgattcact	tgaggtcagg	agttcgagac	cagcgtggcc	aacatgggtga	aaccccatct	38160
gaactaaaaa	tacaaaaaaa	ttagcggggc	gtgggtggac	ctgcctgtag	tcccagctac	38220
tccagaggct	gagtcaggag	aactggttga	aggcgggagg	cagaagtgtg	agtgaagcca	38280
ggtcgcgcaa	ctgcactcca	gcctggggca	cagagcgaga	ctccgtctca	aaaaaaaaaa	38340
aaaaaagaaa	gaaaaatgag	tactaccatc	ccaggatgtc	aaatcaacgc	aaagccaacc	38400
aagccacctt	ccttcaaaaag	catctttcac	ccctctctgc	tttctacatc	cactctgggc	38460
cccttaccct	cattccacgg	agtcccaacc	tatcgattta	ctactctctc	acttctctgc	38520
ccaaactacc	ttgactgtct	ccagactggc	cccttccagc	accacaataa	gcctacggcc	38580
tccgatcttg	tttctctgcc	ctagtcgggg	ccgcttgggt	ggcagagcat	cccagtcctg	38640
tgctgtctcc	ccaccgcttc	gttcacgagg	cttgaatcca	tacttgggcg	cggccatctt	38700
gcaacaatac	cggaagttgc	gctaacgctc	ttaataaaga	acagcgcggc	ttctaatacac	38760
aaatttcctt	c					38771

```
<210> 12697
<211> 793
<212> DNA
<213> Homo sapiens
```

<400>	12697						
cctgtatgta	gctccagcta	cttggaaaggc	taagatggga	ggatggccttg	agcccaagag		60
cagagcccg	aatgagtgg	gatcgtgcc	ctgcattcca	ggctgggcaa	cagaatgaga		120
ctctgtctca	aaaaaataaa	aaaaaagaaa	agataaacag	taaaatggaa	tcagaggagg		180
aggtaatgcc	aagagttcca	ctattcattg	aaaactaagg	gagtatgttg	tggaaagaga		240
atgacagcag	aagctatgtt	ttctttctta	atctttatct	gtcttttgat	tcttttttca		300
aatgagtct	agatggtcta	agcagaggag	atcagaagca	tcaaaatggg	gctgggttgg		360
ggcagtgggt	gtttttctca	gtgactgtta	atctccagaa	gcatggcagt	tctagggcca		420
gaggctacgt	ggcttatcct	agagggagta	ccttcaggta	tacaattatg	tcttagttga		480
gggttttaaa	aaaattgttg	tcaccagggt	cagtggctca	tgcttgtaat	cccagcactt		540
tggtaggcgg	aggtgggtgg	atcacaaggt	caggagtttg	agaccgtcct	ggctaacacg		600
gggaaaccct	gtctctacta	aaaatacaaa	aaaattaggg	tctggtggcg	cgcgctata		660
gtcccagcta	ctcaggaggc	tgaggcagga	gaatcgcttg	aaccaggag	gtggaggttg		720
cagtgaagccc	aatcgcgcc	actgcactcc	agcctggggcg	acagagcgag	actctgtcaa		780
aaaaaaaaaa	aaa						793

```
<210> 12698
<211> 794
<212> DNA
<213> Homo sapiens
```

<400> 12698

cctgtatgta	gctccagcta	cttgggaaggc	taagatggga	ggatggccttg	agcccaagag	60
gcagagcccg	caatgagtg	agatcgtgcc	actgcattcc	aggctgggca	acagaatgag	120
actctgtctc	aaaaaaataa	aaaaaaagaa	aagataaaca	gtaaaatgga	atcagaggag	180
gaggtaatgc	caagagttcc	actattcatt	gaaaactaag	ggagtatgtt	gtggaaagag	240
aatgacagca	gaagctatgt	tttctttctt	aatttttatc	tgtcttttga	ttcttttttc	300
aaaatgagtc	tagatggctc	aagcagagga	gatacagaagc	atcaaaatgg	ggctgggttg	360
gggcagtggg	tgtttttctc	agtgactgtt	aatctccaga	agcatggcag	ttctagggcc	420
agaggctacg	tggcttatcc	tagagggagt	accttcaggt	atacaattat	gtcttagttg	480
agggttttaa	aaaaattgtt	gtcaccaggt	gcagtggctc	atgcttgtaa	tcccagcact	540
ttggtaggcc	gaggtgggtg	gatcacaagg	tcaggagttt	gagaccgtcc	tggctaacac	600
ggggaaaccc	tgtctctact	aaaaatacaa	aaaaattagg	ctctgggtggc	gcgcgcctat	660
agtcccagct	actcaggagg	ctgaggcagg	agaatcgctt	gaaccagga	ggtggaggtt	720
gcagtgagcc	caaatcgcg	ctttgcactc	cagcctgggc	gacagagcga	gactctgtca	780
aaaaaaaaaa	aaaa					794

<210> 12699

<211> 4710

<212> DNA

<213> Homo sapiens

<400> 12699

gaaatatata	tatgagaaac	taaagtcatt	tcccataact	taaaagaggc	atagaatatt	60
tcgagttgaa	tacagtttct	gcctggcctg	ttttcttctg	cctctttttt	ttaaagctca	120
tctttgggtg	aaaaattgtc	gggatcttct	gcagtcacgc	tacaacaaac	agcgctttga	180
tcaaccttta	gaggcttcaa	cctggctgaa	gaatttcaaa	actacaaatg	agcgcttcct	240
gaaccagggtg	actagactcc	cagaagttga	gtgctaggta	gtccttacat	ggattctttg	300
tgccctgagt	accaatagac	tatggagaac	tgatactgga	gttggataaa	ctgtatcatt	360
tttaatttct	ttcatatcgt	ttgctcacag	tggactcata	acttgaaact	catttatcca	420
tgtgaaataa	ataggcaaca	gtaagttgtt	cccattttgt	gggtagcaaa	gtgaaatcca	480
gttgattcat	tgacttttca	aggtacagcc	tccaatccct	cgcaagcaca	tttccaacta	540
catgattttc	tccagacaat	atcttttttag	ggaaccagaa	atgtattgga	aaaattcttc	600
tttaccctgg	tgattcttag	ataccctgtc	tagaccaggg	gccttcaact	ctggatataa	660
agcagagtca	cctaagagct	tgttaaaaat	gcagatgcca	gagtctcatt	ctggacattt	720
tcatacagaat	cccttatgta	tgtttattca	aggctccaag	cagaaatgga	ttagaaagca	780
ttcacttttg	tcaggcacag	gggctcacac	ctgtaatgtc	agcacttttg	gaggccaagg	840
caggcagatc	acctgagggtc	aggagttcaa	gatgagcctg	gccaacatgg	tgaaatccca	900
tctctactaa	aaatacaaat	attagccggg	tgtgggtggg	cacgcctgta	ggcccatcta	960
ttcaggaggc	tgaggcaggg	gaatctcttg	aacctgggaa	tcagagggtt	cagttagccg	1020
agatagcgcc	attgtactcc	agcctgggta	acagagcgag	atatggtctc	aaaaaaaaaga	1080
taaaagaggt	caggcgtgtg	gctcagacat	gtaattccag	cattttggga	ggccgagggtg	1140
ggcagatcac	ctgaggtcag	gaattctaga	ccagctgggc	caacatggcg	aaaccccatc	1200
tctactaaaa	atacaaaaaat	tagccaggcg	tgggtgacaca	cgcctgaaat	cccagctact	1260
tgggaggctg	aggcaagaga	atcccttaaa	cctgggagggt	ggatgttgca	gcgagctgag	1320
atcatgccac	tgactttcag	cctgggttac	agagaaagaa	gctgtctcaa	aaaaaaaaaaa	1380
aaagaaagaa	aagaaagcat	tcactttctac	attgaggtct	cttacagaac	ctgaacaata	1440
gattaaaaatg	aactcctgtt	aaccttagcc	tccaaccttt	tcaagggatg	gtttcaccct	1500
taggccaagt	agcctttttt	ttggttttta	ttttctttgc	ttgcttttag	ataaaagttc	1560
aagagaagta	tgtctggaat	aagagagaaa	gcactgagaa	agggagtcct	ctgggagaag	1620
tggttgaaca	ggtataagaa	aaaacactga	atgtgtaaca	tgcgataaca	agagaaggcc	1680
tctggtagca	ctacaatcca	ctgtctctcc	caatagggca	taacacgggt	gaggaacgcc	1740
acagatgcag	ttggaattgt	gctgaaagag	ctaaagggc	aaagtctttt	gggtatgttt	1800
cacctcctag	tggccgtgga	tggaatcaat	gctctttggg	gaagaaccac	tctgaaaaga	1860
gaagataaaa	gcccggtagg	aaaactgggt	gtctctatct	tgtttctctg	atttctgatt	1920
ccatcagtat	ggaggctggg	tcttagcctt	gtagaccatg	caatatgttt	tcttgcccta	1980
ggaatatattg	aagataaaca	gtaaagagct	gggtgcagtg	gctcacgcct	gtaatcccat	2040
tggctcacga	ggctgagggtg	ggaggatcgc	ttgaggccag	gagttcaaga	ctaggatggg	2100
cactatagca	aggccccctgc	ctctaaaaaa	ataagaaatt	agccggtagc	tggcatgggtg	2160
gcacacacct	gtagtctctg	ctactggaag	gctgaggcca	gaggatcact	tgagccctgg	2220
agttcaagggt	tgtagtgtgg	catgattgca	acactgcaca	ccaacctggg	tgacagagtg	2280

aaatcctgtc	tcttaaaaaa	tatatatatg	gctggggcaca	gtgggtcatg	cctgtaatcc	2340
cagcacttgg	ggaggctgag	gcgggcggat	cacctgagct	tggagttcga	gaccagcctg	2400
accaacatgg	agaaacccat	ctctactaaa	aatacaaaat	tagccgggca	tggtgggtgca	2460
tgactgtaat	cccagttact	cgggaggctg	aggcaggaga	atcgcttgaa	cccaggaggc	2520
ggagggttga	gtgagccgag	atcgccatat	atatatattc	atatatatgt	atatatacac	2580
acatatatat	tcatatatgt	atatatacac	acatatattc	atatatattt	atatatacat	2640
atattcatat	gttttcataa	tatacgaata	tacctatatg	ttcatatatg	tatatataat	2700
attcatatat	gtatatatgt	atatataata	ttcatatatg	tatatatgta	tataacgta	2760
tatatgcaca	catacatatt	cgtatatgca	tatgcacaca	tacatatctg	tatatatatg	2820
tgaagataaa	cagcaaggcc	tggtgtgatg	gctgataaat	cccagcactt	ttaggaggcc	2880
aagagggtgat	ttgcttgagt	ccaggagttt	ggagtttgag	gtcagcctgg	gcagcacagt	2940
gaaaccctgt	ccctacaaaa	aatataaaaa	actagctggg	catgggtggt	tgcacctgta	3000
tgtagctcca	gctacttgga	aggctaagat	gggaggatgg	cttgagccca	agaggcagag	3060
cccgaatga	gtggagatcg	tgccactgca	ttccaggctg	ggcaacagaa	tgagactctg	3120
tctcaaaaaa	ataaaaaaaa	agaaaagata	aacagtaaaa	tggaatcaga	ggaggaggta	3180
atgccaaagag	ttccactatt	cattgaaaac	taagggagta	tgttgtggaa	agagaatgac	3240
agcagaagct	atgttttctt	tcttaatttt	tatctgtctt	ttgattcttt	tttcaaaatg	3300
agtctagatg	gtctaagcag	aggagatcag	aagcatcaaa	atggggctgg	tttggggcag	3360
tgggtgtttt	tctcagtgc	tgtaaatctc	cagaagcatg	gcagttctag	ggccagaggc	3420
tacgtggctt	atcctagagg	gagtaccttc	aggtatacaa	ttatgtctta	gttgagggtg	3480
ttaaaaaaat	tgttgtcacc	aggtgcagtg	gctcatgctt	gtaatcccag	cactttggta	3540
ggccgaggtg	ggtggatcac	aaggtcagga	gtttgagacc	gtcctggcta	acacgatgaa	3600
accctgtctc	tactaaaaat	acaaaaatag	taggctgtga	tggcgtgtgt	ctgtagtccc	3660
agctactcag	gaggctgagg	caggagaatc	gcttgaacc	aggagggtga	ggttgcagtg	3720
agcccaaate	gcgccactgc	actccagcct	ggcgacaga	gcgagactct	gtcaaaaaaa	3780
aaaaaaaatt	gttgtcaatt	gtttcgggag	aacatctagg	aaaggcacgt	gatgatctct	3840
tctctctttc	tgtccgatat	gcagattgcc	cccagggaat	tagcacttgt	tcacaacttg	3900
aggaaaatga	tgaaaaatga	ttgggtaagt	gcatatgata	cctcacacat	ttcagaaaga	3960
aatgtattat	catttttaaac	atgttctact	atttcattgc	taatacttta	cagtctctaa	4020
ttttatggac	agtaagttat	tatgtcttat	ttaattcctg	tatctgtacc	aagttagaaa	4080
taaagtctga	attaaaatct	atatatatgt	ggttttataat	ctttccaaag	taagtttatt	4140
caaaaccatt	ttattttaaat	attggcctaa	ttttattttg	cttgacagaca	tttaaagtgt	4200
ttttgtatct	ccttaccgtc	tttggaagag	agtttgagac	ccacaaatat	gtcatggtaa	4260
attttaaate	aggtagcag	ttattgtcag	agccaaatct	ggaataacca	atttagttgc	4320
cattttaactg	tgctagacca	cacttttgta	acactgtatg	ccaagaaaag	aaaaaaaaaa	4380
tctacagatg	attaatgcag	ttttccatcc	tttttaactt	tttccagttc	agccttttct	4440
cttttctttc	agcatggagg	cgccattgtg	tgggctttga	gccagactgg	gtctctcttt	4500
aagccccgga	aagcctatct	gccccaggag	ttgctgggaa	aggtcaagtc	aaaggaaaat	4560
ttgtttctac	ttagattggt	atcctgttta	aagaaaaata	tttttattaa	tctatgtatt	4620
ttgacataat	ttcagactta	gagaaaaatc	atattcctgt	atgcccttcc	cctggattcc	4680
taaaatatta	acttgatcat	cattgcttta				4710

<210> 12700  
 <211> 5775  
 <212> DNA  
 <213> Homo sapiens

<400> 12700						
cgggtccgta	gtggggctaag	ggggagggtt	tcaaaggag	cgcaacttccg	ctgccctttc	60
tttcgccagc	cttacgggccc	cgaaccctcg	tgtgaagggt	gcagtaccta	agccggagcg	120
gggtagaggc	gggcccggcac	ccccttctga	cctccagtgc	cgccgggcctc	aagatcagac	180
atggcccaga	acttgaagga	cttggcgagg	cggctgcccg	ccgggccccg	gggcatgggc	240
acggccctga	agctgttgct	gggggcccggc	gccgtggcct	acgggtgtgcg	cgaatctgtg	300
ttcacgggtg	agcaacctcc	gcctgctcgc	cggacgcttc	cagtccctcc	cccaaaccctc	360
ttgccctgtc	cccgcgcccc	tccacggggcc	tagcatttcc	tctgagcagc	ggcctggcct	420
gatcaccacc	catctcccca	cagtgggaag	cgggcacaga	gccatcttct	tcaatcggat	480
cgggtggagt	cagcaggaca	ctatcctggc	cgagggcctt	cacttcaggt	aatggcgggc	540
agagcctgct	gaccctgacc	tttcaccctt	gacgccgacc	cagcagtggc	tatagtcgga	600
cgtgcaacag	gattcaacgc	tgtctctttc	ccaccctcct	catccctgcc	cctaggatag	660
tgggtgctgc	gagaacctcc	agcagcatat	aaactgtgtg	tttccagagg	gacaagagaa	720



tctctccttg	tctgtggtcg	tggagaggag	caggccaaaa	aacgcgtggt	gaggggaaac	780
cgggcaaggc	tagtgaaact	gcggccctttt	ctttttttttt	ttttggagag	ggagtcttgc	840
tctgtcgccc	aggctggagt	gcagtggcgc	gatctcggct	cactgcaacc	tccgcctcct	900
gatttcaagc	gatttctcctg	cctcagccctc	acgagtagct	gggattacag	gcgcccgcga	960
ccacgcccgg	ctaattttttg	tatttttagta	gagacgggggt	ttcactatgt	agatcaagct	1020
ggtctcgaac	tcttgacctc	aaatgatccg	cccgcctcgg	cctcccaaag	tgctgggatt	1080
acaggcgtga	gccaccgcgc	ccggccgaaa	ctgtggcctc	ttaataccta	tccctgtcct	1140
ctccaggatc	ccttggttcc	agtaccccat	tatctatgac	attcggggcca	gacctcgaaa	1200
aatctcctcc	cctacaggct	ccaaaggtag	gtctgagcac	ttggtaatca	catggcaggt	1260
gggatgatca	aggtagctgg	caagaaaccc	caggggaata	tggtagtgtc	aggccttttag	1320
gcctcttttc	acatctgcaa	gagctgtaac	aaaaatacct	gcctcctggg	gtcaaagcag	1380
caaattctga	acacactgtg	tttgcggtgt	ttttactgtc	tcctccctga	cgtgtattca	1440
ataagagtat	tgtttgtccc	tcgtcttgtt	cactgcctag	atcaaagctt	tgtttttaaag	1500
cctttttttt	ctaactgctt	gacttactat	atctacagtt	acatccacta	gtacactctg	1560
ttctggagaa	gtttgtccct	aagcttgact	agttcacctg	ttctctcctt	ctagaccata	1620
cataaaagcc	gtgcctttga	gttccccaga	cctcttcctc	ctccccaccc	acgcacacat	1680
atacacctcg	ggtcaggtag	ctcacctgta	acctgtaatg	tacttctttg	tgctataacct	1740
agtgcaggtc	gcttattcat	ttactagact	gggccttggg	aataaaaagat	tcattaaaca	1800
caattcttgt	cccccaagtc	cttacaggag	acatgattac	ggtacagcac	gaaagcgccc	1860
acgttagagg	ttgcacagag	tacagagggg	gaaagagtag	tcagctctgc	tggtgacggg	1920
gtttgcagtt	caaggcttca	cagtgggtga	gggtgcattt	cagctgtgct	gcgtcttgtc	1980
ttccttgtca	gcctgattaa	ctctcctccc	cccagggtag	tgccaggctg	tacaccattg	2040
cacagggcat	acagggagga	acatgaagga	gaaaatgctt	gggaaagggt	gtttggcctt	2100
gaccagccac	tgctgacctc	aatctcagac	ctacagatgg	tgaatatctc	cctgcgagtg	2160
ttgtctcgac	ccaatgctca	ggagcttccct	agcatgtacc	agcgcctagg	gctggactac	2220
gaggaacgag	tgttgccgtc	cattgtcaac	gaggtgtcca	agagtgtggt	ggccaagtcc	2280
aatgcctcac	agctgatcac	ccagcggggc	caggtctgac	tcaccaccac	atctgcgtgg	2340
tgtcagcctt	tccttccctg	gcccagagta	ttgggaatta	ggaaaggcag	cttattagaa	2400
aagcattgtc	accctagtgc	catttccacc	taaaagctgt	gctaattgcc	actgtgaaat	2460
aaggagagcc	agcattagaa	ctcgatagca	ctcgggtgta	ggaagcacag	aggaaaatgg	2520
ccaagtcttg	gcttttcctg	cacctcttcg	agcagagagg	cttatgttac	aggtttgcct	2580
gacaggaagc	taaggcagtg	catgttgtat	tgagagtga	gggttagggg	tcgcaacctt	2640
ccttttcagct	ccccagtcct	ctcaaaccac	ccctcccttc	ccctcttcac	ccctgcccct	2700
aggatccct	gttgatccgc	cgggagctga	cagagagggc	caaggacttc	agcctcatcc	2760
tggatgatgt	ggccatcaca	gagctgagct	ttagccgaga	gtacacagct	gctgtagaag	2820
ccaaacaagt	gggtgagtcg	caagagccgt	ggggtgaggg	cttctgagat	gcaggaggag	2880
gaaagactcc	atgggtgggg	ctcctgacct	aggacagggt	ctccctgact	ctctcccacc	2940
acagcccagc	aggaggccca	gcggggccaa	ttcttggtag	aaaaagcaaa	gcaggaaacag	3000
cggcagaaaa	ttgtgcaggc	cgagggtgag	gccgaggctg	ccaagatgat	atccttctgc	3060
tggagagatc	tcagcccagc	ccctagggca	cctgagttcc	ccattctcct	tcattgggcag	3120
gctgatgaga	ctaaggcgaa	tgcgactccg	tgctctctgg	cccttggctc	cttgttgggg	3180
gtggggacta	cagatgagat	ctgaaatctt	agtggtagta	cctgagccat	gactccccac	3240
tgtaaaggca	gatcaatagc	attgggtggc	ttgccttcac	ttctgggtgct	gccccagatt	3300
cctgggcaga	gcctgcaggg	aggccacacg	gtggggtcca	cggtagggct	gggcacaaagc	3360
cacctgagcg	caaccttgga	tctgacagcc	cagaggagga	ctggagcaag	ggagtgtggt	3420
aaggacaggg	ccagggtattg	agacctgccc	ttgcgtgtac	cttaaccctc	ctcaccttgg	3480
agaagcactg	agcaagaacc	ctggctacat	caaacttcgc	aagattcgag	cagcccagaa	3540
tatctccaag	acggtgagtg	tgctagccca	gcgtctctga	tggggctgcc	ttgagaaaagt	3600
gctttcagtt	aaggcacatt	gaggtgaggg	aattcgaacc	ttgcttggtc	cggtttctac	3660
tcagattggc	ttctctggcc	ggcgcggtgg	ctcacgcag	taatccccgc	actttgggag	3720
gccaagggtg	gtggatcacc	tgaggtcagg	agttcgagac	cagcctggcc	aacatgggtga	3780
aaccccatct	ctactaaaaa	tacaaaagat	aatgagcccg	ctgtgggtggc	gtttagctat	3840
attcccagct	acgcaggagg	ctgaggcagg	agaatcactt	gaaccagga	ggcggaagtt	3900
gcagtgagct	gagatcatgc	cactgcactc	cagcctgagc	aacagagcaa	gactccgtct	3960
caaaaaataaa	taaataaaaa	attggcttct	ccgatactcc	tcctgtcaag	aatgattcct	4020
ctgggttccc	tgaccttttg	ttctaatacat	agctgctgct	cagcgctctg	gatccctaag	4080
tgcgagcaga	aacctatgtg	tactcattgc	tgcacccctg	ccctaatactg	catgtgttcc	4140
atggttaagta	gctgctgaat	tgcaggggtc	ggaattgagg	tccttgcctta	atgcaagcat	4200
ctgtcttatt	tcctgccttg	tagatcgcca	catcacagaa	tcgtatctat	ctcacagctg	4260
acaaccttgt	gctgaacctc	caggatgaaa	gtttcaccag	gtgagagatg	tggccacact	4320
gtggggatc	accaagaacg	tgggacctga	gtctggttgt	ttgggctctg	gagcctgcta	4380

cagctattca	tatggctcag	agacattgaa	ccaaaattag	aaaagggggt	ggttgacagt	4440
ttctatcttg	catctcatag	gattgatttt	atgagatcaa	ataggattat	tcacataaaa	4500
agcactttta	ttataaagtt	ttcatctaac	caaaaagtga	tgaaagatga	tactcagttt	4560
tcttactcaa	gagccctcaa	actcctctgg	tgaatggagg	gatgttagga	aaggagatga	4620
gaaatagcag	tggccatgag	aacatgcctc	ctcctttcat	gagcctgaga	ttcctggctg	4680
tcaacctgt	ttatcttttc	tcttgggagc	aaaggagggt	tcaaagctga	gtggggcctg	4740
aagctgtcaa	ttaacatgtg	catttctctt	ctctgtttct	tgttcatctg	gcgatctggc	4800
accacagggg	aaggtaagct	gttggttgct	ctgtggggtc	ctgcaggcca	ccttctccag	4860
taccgcctc	ctaccctacc	ccctttccca	cctccccgaa	gacaaaccct	caatcagggt	4920
aggagggctg	tagagggaat	ggcctagagt	gtcctgcctc	tcacatttat	gtccccta	4980
aatgtcatta	tctatctttt	ttttcctaca	gtgacagcct	catcaagggt	aagaaatgag	5040
cctagtcacc	aagaactcca	ccccagagg	aagtggatct	gcttctccag	tttttgagga	5100
gccagccagg	ggtccagcac	agccctaccc	cgccccagta	tcatgcgatg	gtccccaca	5160
ccggttccct	gaacccctct	tggattaagg	aagactgaag	actagcccct	tttctgggga	5220
attactttcc	tcctccctgt	gttaactggg	gctgttgggg	acagtgcgtg	atttctcagt	5280
gatttccctac	agtgttggtc	cctccctcaa	ggctgggagg	agataaacac	caaccaggga	5340
attctcaata	aattttttatt	acttaacctg	aagtcaaggc	ttcacgtgtt	catgaactgg	5400
gtaactggca	gcaagcatgc	gcacgttcac	atgtgcgctc	ctgggtctgt	ccttgtgtgt	5460
gccagcaggg	ggcgcaaaag	aatctggctg	gggcgggctaa	ggggaagcaa	ggcctgggct	5520
ccgaaacagg	acccaagctg	ggaaggctgg	ccctgagttc	tcgaggccca	gctgtgctct	5580
tcacacaccc	tccatttctc	ccacatcacc	cattttttta	aggctggaca	gccatggctt	5640
tgctgagcca	gattaaaaat	ctgatgaccc	caacaggagc	tgcttccttg	gcagcagggt	5700
tccttgtggc	tgtggggagc	ctgcctgtgc	ctgttgaggc	acttctgtgc	ccagaagccc	5760
agtggatcgc	gtggc					5775

<210> 12701  
 <211> 738  
 <212> DNA  
 <213> Homo sapiens

<400> 12701						
ctggagccc	gggtcctccg	ctcaactcag	gacgttgagg	ctgcattgag	ccaagatcat	60
acctctacac	tccagcatgg	gcaaaagagc	aagattctgt	ctcaaaaata	aataaataaa	120
ttttgttttt	aattagccag	gcatgatggc	atgcacctgt	agtcccagct	attcaggaga	180
ccaagggtgg	aggatcattt	gagcccagga	atttgagact	gcagtgaact	atgatgatgc	240
cactgcattc	caacctagat	gacagaagga	gacctcatct	ctaaaaataa	atatatatat	300
tttttccaac	cactttttat	ctatacccca	atgtcttaca	ttccataaaa	catcatgttt	360
tgaattccag	tataacttta	tcgttaaaca	tgtttctttg	cagaagcatg	tataagttag	420
ggtccacaag	attatttgca	taagctaatt	tacaaaaaaa	attatataat	cactgacatg	480
aaagcatgtc	tgggcagcca	tgggagctca	tatgaggcgt	ccagttcagt	cgctttttaa	540
aatgatatt	tgcattagct	gggcatggta	gcatgtgtct	gtagtcccag	ctactcaggg	600
gactgaagtg	agaggatgca	ccagagcccc	agaagtcaag	gctgcagtga	gccatgatca	660
catcactgca	ccagcctggg	caacaggagt	gaggccttgt	ctcagtcagt	caatcaatca	720
atcaataatg	gtatttgg					738

<210> 12702  
 <211> 852  
 <212> DNA  
 <213> Homo sapiens

<400> 12702						
aaggcacgtg	atgatctctt	ctctctttct	gtccgatatg	cagattgccc	ccgaggaatt	60
agcacttggt	cacaacttga	ggaaaatgat	gaaaaatgat	tgggtaagtg	catatgatac	120
ctcacacatt	tcagaaagaa	atgtattatc	attttaaaca	tgttctacta	tttcattgct	180
aatactttac	agtctcta	tttatggaca	gtaagttatt	atgtcttatt	taattcctgt	240
atctgtacca	agttagaaat	aaagtctgaa	ttaaaatcta	tatatatgtg	gtttataatc	300
tttccaaagt	aagttttatc	aaaaccattt	tatttaaata	ttggccta	tttattttgc	360
ttgcagacat	ttaaagtgtt	tttgtatctc	cttaccgtct	ttggaaaaga	gtttgagacc	420
cacaaatatg	tcatggtaaa	tttaaaatca	ggtagcagtt	tattgtcaga	gccaaatctg	480

gaataaccaa	tttagttgcc	atttaactgt	gctagaccac	acttttgtaa	caactgtatgc	540
ccaagaaaga	aaaaaaaaat	ctacagatga	ttaatgcagt	tttccatcct	ttttaacttt	600
ttccagttca	gcctttttctc	ttttctttca	gcatggaggc	gccatttgtg	cggctttgag	660
ccagactggg	tctctcttta	agccccggaa	agcctatctg	ccccaggagt	tgctgggaaa	720
ggtcaagtca	aaggaaaatt	tgtttctact	tagattgtta	tcctgtttta	agaaaaatat	780
ttttattaat	ctatgtattt	tgacataatt	tcagacttag	agaaaaatca	tattcctgta	840
tgcccttccc	ct					852

<210> 12703  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<400> 12703						
tacatthttta	gtagagacag	gatttcacca	tattggccag	gctgggtcttg	aactcctgac	60
ctcgtgatcc	acccgccttg	gcctcccaaa	gtgctgggat	tacagacgtg	agccatcaca	120
cccggccaat	gaaggaattt	ttaatggcca	aatctaagat	gatttgagca	ccaaaataaa	180
aagtgcacgt	aatgatthtag	attctattaa	ataaaaaatcc	acaagaccat	accagctgcg	240
gaggctccat	gccaggtata	actaaagtaa	tggtactata	aaccagtagg	tggaagttht	300
agaagtaaca	ggatctttac	ctagtctcaa	agtatatctc	tacaacatac	atattaattc	360
caaagcaaaa	taataacttt	actgaagaga	aaccagatgg	acaacacctc	agctaacagt	420
tccaaaatca	ttaccagtaa	tggtgagaaat	gtgcctcctg	ataggatgca	ctcactcaga	480
catgtcatca	cttctaacat	cacttctatt	caggaggaaa	cctcagacaa	ccccaaaaag	540
tgacctacaa	aatagctggc	atgcacatgc	caaaaacata	aagatttcaa	atgacaaaga	600
ctgacagact	gtcacagatt	aaaggagacc	aaag			634

<210> 12704  
 <211> 852  
 <212> DNA  
 <213> Homo sapiens

<400> 12704						
aaggcacgtg	atgatctctt	ctctctttct	gtccgatatg	cagattgccc	ccgaggaatt	60
agcacttggt	cacaacttga	ggaaaatgat	gaaaaatgat	tggttaagt	catatgatac	120
ctcacacatt	tcagaaagaa	atgtattatc	atttttaaca	tggtctacta	tttcattgct	180
aatactttac	agtctctaat	tttatggaca	gtaagttatt	atgtcttatt	taattcctgt	240
atctgtacca	agttagaaat	aaagtctgaa	ttaaaatcta	tatatatgtg	gtttataatc	300
tttccaaagt	aagttttattc	aaaaccattt	tattttaata	ttggcctaata	tttattttgc	360
ttgcagacat	ttaaagtgtt	tttgtatctc	cttaccgtct	ttggaaaaga	gtttgagacc	420
cacaaatatg	tcattggttaa	tttaaaatca	ggtagcagtt	tattgtcaga	gccaaatctg	480
gaataaccaa	tttagttgcc	atttaactgt	gctagaccac	acttttgtaa	caactgtatgc	540
ccaagaaaga	aaaaaaaaat	ctacagatga	ttaatgcagt	tttccatcct	ttttaacttt	600
ttccagttca	gcctttttctc	ttttctttca	gcatggaggc	gccatttgtg	cggctttgag	660
ccagactggg	tctctcttta	agccccggaa	agcctatctg	ccccaggagt	tgctgggaaa	720
ggtcaagtca	aaggaaaatt	tgtttctact	tagattgtta	tcctgtttta	agaaaaatat	780
ttttattaat	ctatgtattt	tgacataatt	tcagacttag	agaaaaatca	tattcctgta	840
tgcccttccc	ct					852

<210> 12705  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 12705						
gggtgcgggtg	gctcatgcct	gtaatcccag	cactttggga	ggccgaggca	ggcggatcat	60
gaggtcagga	gatcgagacc	atcctggcta	acatggtgaa	accccgctctc	tactaaaaat	120
acaaaaa						127

<210> 12706  
<211> 1189  
<212> DNA  
<213> Homo sapiens

<400> 12706

tttttttttt	ttgagacgga	gtcttgctct	ggcaagactg	gagtgcagtg	gcgcgatctc	60
ggctcactgc	aagctccacc	tcccgggttc	acaccattct	cctgcctcag	cctcccgagt	120
agctgggact	acaggcgccc	gccaccacgc	ccagccagtt	ttttgtattt	ttagtagagc	180
tggggtttca	ccatgttagc	caggatgggc	tcgatttcct	gacctcgtaa	tccacctgcc	240
ttggcctccc	aaagtgcctg	gattacaggc	atgagccatt	gcacccggcc	tcagctttac	300
tttcctaaca	gggatctgat	agctaaagga	aaagcctttg	ccagtcacga	tggctcaaac	360
ctataatccc	agcacttttg	gaggctgagg	ctggaatatt	gcttagagcc	caggaggagg	420
ctgcagtgag	ctgtgatcgc	accactacac	tctagcgtgg	gcaacaaagc	aagaccctgt	480
ctcaaaaaaa	aaaaaaaaaa	agaagaagaa	gaaaagcctt	tactccagat	gtagagcaga	540
ctgagctcat	ccatcatgat	ttcttcgtga	tattactgcc	aagcagatta	taagggtgaag	600
tcaatgtgac	aaaaggaaat	tcggctaaaa	gcttcctgaa	gccttttgat	gctaagcagt	660
ccttcttttg	atattttaata	cccatggaca	taaacttctg	ccttagagggt	cgccatggag	720
ttttgttttg	ttttgttttg	ttttgttttg	gccatctgtt	aacagtcctg	agtaccata	780
gagcctttta	ctatttatca	gcattctaga	gtcgtcagta	tggattgtca	aaacttgcac	840
ttgtctcttt	tttgttcagt	gttgtgtgca	tccacatttt	ctttcttttt	taaacaaccc	900
tgcttatgta	acatccacat	tttctgactt	acctttcaaa	cctgccagaa	agcagaagtg	960
atattttaata	cacttggtat	gttttatata	ttgattctaa	tgataatgtt	tagtctaaga	1020
tggacctgac	aaggccaggc	atagtgggtc	aacagcactt	tgagaggctg	aggcaggatg	1080
attgcctgag	cctaggagtt	caagggttaca	gtgaactgtg	atcacatcct	gccttctagc	1140
ctgggtgaca	gagcaagacc	ctgtctcaaa	aaaaaaaaaa	aaaaagaaa		1189

<210> 12707  
<211> 3222  
<212> DNA  
<213> Homo sapiens

<400> 12707

gaatagtttc	agtgcacatta	tgtcattgaa	gaccttagaa	gatttccctc	gctaaggag	60
ataaagcgac	tggcacaca	tgtatttctc	tgagtaatta	gaagtgttct	tttctggctg	120
tactgaaggg	actttcatga	tttcttcgtt	tttgactctt	tagttttata	atattgcata	180
gtagctaagg	cctggctgta	gcagttataa	actgttctgc	aagtgcggga	agtaatagtt	240
attcctatct	caaggatgtg	gggtttaaat	gggttagtgc	acaaaaggac	atttattaaa	300
tttagtcata	atcatctcaa	ggacatggta	agtgaagag	tgtacataaa	gtacttaatg	360
taatgtttgc	tacttaatgt	tcaataactc	aaagagacca	ccaccactac	tacattttac	420
ttttattagt	aattaataat	aattaataat	tagtaattca	gtggtaatta	gtatactacc	480
aaagaaagta	cttgagcaga	agagccaaaa	ttcaaaccat	agaatcattt	tactgtgctt	540
ttattctacc	tcaaacacta	atctccaggc	cttgataaaa	gggattattt	ctctgaaggg	600
gaaagttatc	ctctttttgc	ccaagtcaca	cttgtgtcat	ttcttatact	gtaaacatgt	660
ggttccaatt	ctgaggtatt	ttcccgggtt	gtaggacca	aaaagaagtt	aggcttgaga	720
aatttttaagt	gaagagaaca	attctagttc	agagtgattg	gctcttccta	aaagctgaca	780
tttgactgaa	aattttgagg	ggaggggaaag	aaacaatacc	ttttacggca	tgtaatagga	840
agaagacctg	gatttttagtt	gctgctctga	tgtcccaact	tgggtaaggc	aacataacat	900
aatgtcagtc	ttcttcagat	ttgtgatgaa	gctgataatc	catgctcagc	ttcctttatg	960
ggtctcttgc	ctatcaaata	aggtacagta	tgtgaagata	cattgcagat	tatcttatgc	1020
attgcttcag	gggatgatta	aaccatcctt	tattatagcc	agagtctagt	ctaagggaag	1080
aagggtcattc	tctataccag	tgaaggctcc	atccaaacca	gtgtttgggg	gcatagtcac	1140
aattgaaaaa	tgattgtttt	ccttatctgt	aagacaggta	aatggattta	atcctcaggt	1200
ggttgtgagg	attaagtgat	acatgtaaaa	aaaagaaagc	tttgatagat	acctattata	1260
agaaactcag	tggtgctgca	atgtatgtat	tataatggat	ttgaaatttg	ccctaaccaa	1320
gagtcacaga	cagaaaaaag	gaagttaaatg	tatctcttga	tcactatcaa	gatgtggtat	1380
tgaaccttca	agatcctttc	agggaaatatg	tgagatcaaa	atttttatac	tggcactatg	1440
atgtatttgc	cttttctctc	tattcacaag	tgaacagtgg	agttttacag	aagctatata	1500
atgtcatgac	atcactgatg	ggtaatagaa	tgtgtgcttg	tatattccga	aactttcagt	1560

tccaat	tttct	tcgat	caatg	taatc	ctcat	aagtaa	aaagt	tatttg	agga	cctcag	acat	1620	
tttta	aaaa	gtaa	agggg	tg	gggtc	cagg	ctcag	tggct	catgc	cctgta	atccc	agcat	1680
tttgga	aaggc	cgagg	cgaac	ggatc	acttg	aggcc	aggag	tttgaa	acta	gtctg	gtcaa	1740	
catgg	tga	aaa	ccccg	tctcc	actaaa	acaa	aaagt	tttct	ggatg	tgggtg	gcacac	atac	1800
ctgta	atccc	agctac	tttg	gtggc	tgagg	catgag	aatc	acttg	aa	cccc	agaag	acagg	1860
ttgcag	tgag	ccaag	attgt	gcccc	tgc	tctag	cctgg	gtgac	agtg	gactgt	ctca	1920	
aaaaa	ataa	ag	gtgtac	agg	attgt	atatt	tgaca	acttg	gtatg	tagga	tgtgt	ctac	1980
cta	atgtt	cc	atgct	gttac	ttagt	tttca	ctcact	acta	tatttt	ggag	atttgt	tc	2040
attgt	ctctgt	gtac	atttaa	ttctt	cagtg	ttcact	acta	agt	acattt	aa	tattc	actta	2100
caga	actatg	caaga	atttc	tctgg	t	ta	aat	actt	atgt	ac	tttc	aga	2160
gattg	t	gtag	t	ttac	acc	cagg	ctgag	ttgag	taccc	atttc	ctcac	atc	2220
tgcc	ag	tact	tcatt	tgc	aat	ttt	gtcc	at	tct	cata	gtg	ggca	2280
gcatt	tcttc	catt	ttt	at	ttt	gtc	at	ct	gtt	ttt	gtc	ag	2340
ctgc	catt	ta	at	ctc	ccaga	at	cag	ctt	tt	ag	tt	ctg	2400
tcgt	t	gatt	ctg	ttt	cat	ctta	a	act	t	ctt	gt	t	2460
ata	ag	ca	aa	gc	ttg	att	t	gt	tt	ct	g	ta	2520
aag	ata	aat	ttt	tt	cc	ta	aat	g	ttt	ct	ta	at	2580
tg	ttt	ct	att	ta	at	tt	gt	ttt	tt	aa	act	ct	2640
aag	gtt	ttt	ct	att	ta	at	tt	gt	ttt	gt	tt	ct	2700
ttt	ct	at	att	tt	gt	tt	gt	ttt	gt	tt	gt	tt	2760
att	gt	t	gt	c	at	tt	gt	gg	cc	tag	tac	at	2820
gaaa	aga	at	g	ttt	ct	gatt	att	gag	gg	t	aa	ttt	2880
taata	aa	at	g	tag	ct	at	g	tt	gt	ttt	gt	tt	2940
at	at	gt	gt	ta	ag	act	cc	at	ttt	ct	gt	ac	3000
agg	t	ctt	ttt	ag	ta	at	ggg	g	ag	gt	at	ga	3060
gt	caa	acc	ct	cc	at	ct	tt	aa	ac	ag	t	gt	3120
t	ctt	ct	ttt	g	g	c	ac	cag	g	at	ag	tt	3180
c	ct	g	gg	c	ct	g	g	at	tt	c	ag	g	3222

<210> 12708

<211> 7217

<212> DNA

<213> Homo sapiens

<400> 12708

ggggt	gagga	ggagg	gacag	tgtat	tagag	at	ttt	act	gt	t	caaaa	atgta	gactt	ctctca	60
gtttt	cagta	aaata	actcta	ccctg	tctat	atgtg	gattc	ccct	attcca	gactg	attca				120
ccctt	ttcag	tgag	ttagtc	gtgac	atttc	ttac	actgtg	agggg	gagtg	gta	attactt				180
tacagg	gagg	tatg	ggggcca	tggt	gtttga	ctctt	ctttc	aacc	acttct	ggg	tttttta				240
gtgaaa	acc	ctat	ctaaca	ctgata	acttt	cattt	ctgtt	gtct	attgag	tcag	tt	aa	ca		300
ctgac	ccatt	tattt	ttcag	ttccca	aaa	ctt	gcttgc	catt	gcttct	attt	tattgt				360
ctggg	ggtg	tt	aac	cctg	ttt	cat	ttt	tac	ag	ct	att	tt	ag	ta	420
gggac	agagg	gga	atagatg	gact	catttc	atgat	gtaga	aaca	aatact	ccctg	tcttg				480
tcttac	atga	aaa	attattc	tt	aa	actag	g	ctt	at	ctt	t	gaga	ac	ctga	540
aaaaa	atactt	ttt	ggcttta	ttt	cttt	agt	gag	t	actat	tcc	at	ttt	ga	ag	600
agagg	tatgg	t	aa	gg	tgg	act	tga	acat	ttcca	ag	caa	acgt	gt	gatg	660
tcaat	gtctt	ag	caatgg	t	at	gattttt	ttag	tcttag	caatt	tt	taga	ta	ag	ttttt	720
ttttg	tcttg	ttttt	tttgag	ac	ggag	tctt	gct	ctgtcgc	ctag	gctaca	gtg	tag	tggc		780
gtgat	ctcg	ctc	actgcag	cct	ctgc	ctc	cgag	cgggg	ccag	c	gattc	tct	g	catca	840
gcctc	ctggg	tag	ttggg	at	caggtg	ca	tgcc	accaca	ccca	actgat	ttt	gt	attt		900
ttag	tagaga	cagg	gtttca	ccat	cttggc	ctgact	ggtc	cga	actgat	ctc	agg	tgat			960
ctgccc	ac	c	gctccca	aag	tgtggg	attaca	agcg	tgag	ccactg	cgt	ggc	ctga			1020
ggta	agattt	tata	agaagc	ctaca	aa	agcc	cta	attttt	ta	catta	aga	ac	atta	ag	1080
tctga	tagtt	tt	agttccg	tag	tctttat	ttcaa	aga	aat	tattt	cat	tc	tga	att	ttct	1140
ttta	aattag	tct	aga	aat	at	gtttata	aat	ttat	tt	acat	ttgg	ttg	aa	tgt	1200
aa	acttattc	cac	agtttcc	ag	ttt	gagga	t	aa	at	gaggt	ct	aa	ag	acag	1260
tta	ataattt	tt	cctattgt	c	ctt	ttt	taga	aat	ctt	acat	at	c	ctt	ttag	1320
attg	gccctg	ca	ag	cat	gtc	ct	t	ctt	ctt	ct	gag	t	ctt	ta	1380
ttct	tctata	tc	ctt	cat	ctg	t	ctt	ac	ag	cact	ta	tgt	ga	actgt	1440
tgct	cttctc	ta	aggtattt	tag	gacattt	tt	aaa	ata	at	gag	tgg	ttg	t	catg	1500

aaatactgtc	taccacaact	catacaatta	aagtgggtcaa	agaaaggtct	ctttcatttc	1560
ttttttcatt	ttaaaaaagaa	atgttatttg	taaaacagta	tagtcataac	acagatatgg	1620
cagtttttta	gttttttttt	ttctttttct	tcactgtgtc	atccaggcag	tagcgtgatt	1680
ataattcact	gcagcctcca	actcctgggc	ttgagggatc	ctctcactga	gccttctgag	1740
cagctgggac	tgcaaacgtg	tgccagtact	cctgggcta	ttttaaattt	ttttgtagaa	1800
ttgaggtgtt	tttttaaatt	tttttaaagc	cttgtttgca	aactgttgca	acttctggcg	1860
gctgcaactt	ctggcctcaa	gcaatcttcc	tgtcttggcc	tcccaatagc	ataagctacc	1920
gcacccagcc	cacaattttt	tttcagtaca	atataaacat	cttgcaagcg	ctagcttgat	1980
ttacactttt	tgtctgtatc	cacctctttt	tttttttttt	tttttttttt	tttttgagat	2040
ggagtttcgc	tcttactgcc	caggctggag	tgcaagtgtg	cgatcttggc	tcattgcaac	2100
ttccacctcc	caggttcaag	cgattctcct	gcctccatct	tccgagtagg	tggcattaca	2160
ggcatgtgcc	accacgccc	gcgagttttg	tatttttagt	agagatgagg	tttctccatg	2220
ttggtcaggc	tagtctcgaa	ctcctgacct	caggtgatcc	acccaccttg	gcctcccaaa	2280
gtgctgggat	tacaggcatg	agccactgcg	cccagtatat	atccaccact	ttaccatcca	2340
cattagcatt	tcattagctt	ctctttgccc	ttttagttaa	taaccccatc	tcagggtgat	2400
tcactttcat	aatccgtatt	accatggatt	aattctgcac	agcaaaaact	atgatagggtg	2460
tgttaagtaa	tgaagtgttg	ggaatgttaa	taagatgatt	tctcttactg	tagatgaaat	2520
acatcgtaag	agaatccctc	gtgagaccag	atcagttaca	tgtatatctt	gcctctctta	2580
agtctctacc	atttattact	gtacttgagt	taggatttgg	aagtgccact	gaacactaaa	2640
attattctgt	ctgggtattt	gaatgggtgtg	agacaaaaat	ccattttaat	gttttatcaa	2700
gttgagatgt	ctcacatgag	tagttagtgc	tgagaatcag	acacaggcac	atttgggagc	2760
atggcggtggc	aagaagcttt	gctttttcct	gttcctattg	tactcaaact	tgtttctaca	2820
tttttcattg	atttctcttc	gtactagcac	tagggcgcaa	gagaagccgt	actggaatat	2880
tacactactc	agcacaagac	aggtttaatc	tttttcttgg	gggacaagat	tggaaaattg	2940
aggctctgagc	agacctgaag	agaggcatcc	agcaactctg	agatttaaatt	catcattgat	3000
caattcgтта	ttgtttggaa	ttgacgttta	gctgtgttcc	tcactcagat	acgtgcagta	3060
tagctgcttg	ctaatttggg	cttagctcac	atttcacctc	gaatgtatgg	tctccctctc	3120
ccctgcaaaa	tatccactg	ttgctaactc	gtctgcctca	taatttccat	gagattgagc	3180
atcttgtttg	ttttgtcacc	actatataac	agcatgttgg	aaacaaagca	gtaataaagc	3240
tagaaaaacc	aagcgaatac	actggattaa	aaaaaatact	gtttcctaga	attaaagaaa	3300
taaatgaggg	cgggcgagct	ggtgcctgta	atcccagcag	tttgggaggc	tgaggctagt	3360
ggatcatgtg	gccgagatcg	cgtcactgca	ctccagtcta	gcaacagagc	gataccttgt	3420
ttcttactta	aaaaaaaaaa	aagacctcat	ttgttaactg	ttaaacagaa	aacaagaaat	3480
ttcctatacc	tgtatgcatt	atagagcaaa	taagagcattc	aaaaacaatc	ttagaaatct	3540
ttcagagaaa	ggtcacctac	aaaggaaacat	tgatcagata	atagattttt	tttttttctc	3600
cagatggagt	tctgctcttg	tcgcccagac	tggagtgcac	tggcacgatg	ttggctcact	3660
gcaatctccg	cttcccagg	tcaagcagtt	ctccagcctt	agcctcccaa	gtagctggga	3720
ttacaggctc	ccactaccat	tcccagaatt	tttgtatttt	aattagtaga	gacgggggtt	3780
cgccatgttg	gccaggctag	cctcgaactc	ctgaactcag	gtgatctgcc	tgcctcggcc	3840
tcacaaagtg	ctgtgattac	aggggtgtgag	ccactgcacc	tggccgataa	cagatgtttt	3900
aatagtaaga	taaaaagtaa	aattttccagt	gtgtcgaagg	aagaaaatta	cagcctagaa	3960
ttttatcttc	atgtacatta	tttaagtgtg	agggaaatag	ttcagtgaca	ttatgtcatt	4020
gaagacctta	gaagatttcc	ctcgctaaag	gagataaagc	gactggcaca	acatgtattt	4080
ctctgagtaa	ttagaagtgt	tcttttcttg	ctgtactgaa	gggactttca	tgatttcttc	4140
gtttttgtac	tcttagtttt	ataatattgc	atagtagcta	aggcctggct	gtagcagtta	4200
taaactgttc	tgcaagtgcg	ggaagtaata	gttattccta	tctcaaggat	gtgggggtta	4260
aatgggttag	tgcacaaaag	gacatttatt	aaatttagtc	ataatcatct	caaggacatg	4320
gtaagtgaat	gagtgtacat	aaagtactta	atgtaatgtt	tgctacttaa	tgttcaataa	4380
ctcaaagaga	ccaccaccac	tactacattt	tacttttatt	agtaattaat	aataattaat	4440
aattagtaat	tcagtggtaa	ttagtatact	accaaagaaa	gtacttgagc	agaagagcca	4500
aaattcaaac	catagaatca	ttttactgtg	cttttattct	acctcaaaca	ctaactctca	4560
ggccttggat	aaagggatta	tttctctgaa	ggggaaagtt	atcctctttt	tgccccagtc	4620
acacttgtgt	catttcttat	actgtaaaca	tgtgggtcca	attctgaggt	attttcccgg	4680
ttttagggac	ccaaaaagaa	gttaggcttg	agaaatttta	agtgaagaga	acaattctag	4740
ttcagagtga	ttggctcttc	ctaaaagctg	acatttgact	gaaaattttg	aggggaggga	4800
aagaacaat	acctttttacg	gcatgtaata	ggaagaagac	ctggatttta	gttgctgctc	4860
tgatgtccca	acttgggtaa	ggcaacataa	cataaatgtc	agtttcttca	gatttgtgat	4920
gaagctgata	atccatgctc	agcttccctt	atgggtctct	tgcctatcaa	ataaggtaca	4980
gtatgtgaag	atacatgtca	gattactctt	tgcattgtct	caggggatga	ttaaaccatc	5040
ctttattata	gccagagctc	agtctaaggg	aagaaggtca	ttctctatac	cagtgaaggc	5100
tccatccaaa	ccagtgtttg	ggggcatagt	cataattgaa	aaatgattgt	tttctttatc	5160

tgtaagacag	gtaaattgga	ttaatcctca	ggtggttg	aggattaagt	gatacatgta	5220
aaaaaaagaa	agcttttgat	agtacctatt	ataagaaact	cagtgttgct	gcaatgtatg	5280
tattataatg	gatttgaaat	ttgccctaac	caagagtcac	agacagaaaa	aaggaagtta	5340
atgtatctct	tgatcactat	caagatgtgg	tattgaacct	tcaagatcct	tttcagggaa	5400
tatgtgagat	caaaatTTTT	atactggcac	tatgatgtta	tttgcctttt	cctcatattc	5460
acaagtgaac	agtggaagttt	tacagaagct	atataatgtc	atgacatcac	tgatgggtaa	5520
tagaatgtgt	gcttgtatat	tccgaaactt	tcagttccaa	tttcttcgat	caatgtaatc	5580
ctcataagta	aaagttattt	gaggacctca	gacattttta	aaaatgtaaa	gggggtgggg	5640
tcaggctcag	tggctcatgc	ctgtaatccc	agcatttttg	aaggccgagg	cgaacggatc	5700
acttgaggcc	aggagtttga	aactagtctg	gtcaacatgg	tgaaaccccg	tctccactaa	5760
aacaaaaagt	tttctggatg	tgggtggcaca	catacctgta	atcccagcta	ctttggtggc	5820
tgaggcatga	gaatcacttg	aaccagagaag	acaggttgca	gtgagccaag	attgtgcccc	5880
tgcattctag	cctgggtgac	agtgagactg	tctcaaaaaa	taaaggtgta	cagggattgt	5940
atatttgaca	acttggtatg	taggatgtgc	tacctcta	gttccatgct	gttacttagt	6000
tttctctcac	tactatattt	tggagatttg	ttcatattgc	tctgtgtaca	tttaattctt	6060
cagtgtgtat	ccaccacatt	taacttattc	acttacagaa	ctatgcaaga	atttctctgg	6120
taaatttcac	taagtactta	tgtacttttc	agaacgattg	tgagtttaca	cccctaccag	6180
caggactgag	ttgagtaccc	atttctctcac	atccttgcca	gtacttcatt	tgccctaattt	6240
ttgccattct	cataatgtgg	caattgttca	attttgcatt	tcttccattt	tatttttttg	6300
catctctgct	tttcttttgg	ttagctttgc	cagttctgcc	tattatatta	atctcccaga	6360
atcagctttt	agttttgtta	aatctctgac	atgtttcgtt	gattcctgct	ttcatcttaa	6420
acatttcttc	gttggttaatt	tgtgttttgc	ataaaaataag	caacatctta	aatgcttgat	6480
ttgcttttga	tgttttattct	gtaataagat	atttaaagat	ataatttttt	ccctaaatgc	6540
tttattagac	ttttctcata	agttttgact	ggtactgttt	tcattgttat	tttaattttgt	6600
gttttttaac	ttctttcatg	atttctttt	aactgaaggt	tttcttagat	atttagtttg	6660
ctggatatatt	cttttaaaat	tgtatcattg	ctttctttct	atattggatt	attgtcagag	6720
aacatgattt	gcatgatatt	aacttttttg	agtatattgt	tgcatctttg	tggcctagta	6780
catagttaat	ttagtgaatg	cttccagttg	tacttgaaaa	gaatgtatat	tttctgatta	6840
ttgagggtaa	atttctctat	atatgttttc	ctgtttaata	aatatgtagc	tatgtgctta	6900
tgttttgact	gctcggttaa	ttatttttga	gaaatatatg	tgttaaagac	tccatatttc	6960
tgtacacaac	tgatacctgg	tattttgctca	ttttaaggctc	tttttagtaa	tgggcgaagt	7020
atagagaaag	tagagctggt	tcatccatca	cttgggtcaa	accctccatc	cttaaacagt	7080
tgctcatgtg	cagggtggacg	catcattgaa	gcttttcttt	ctttgggcac	cagagtcagg	7140
gatagattca	ggccccaata	gacccccagg	tacttctctg	gcccttgggc	tctgtcctga	7200
acttctgtgt	cctgaaa					7217

<210> 12709  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 12709	
tttttgtttt	tttgagacgg agtctcactc tgctgcccag gctggagtgc agtggcgcgga 60
tcttggttca	ccgcaagctc cgct 85

<210> 12710  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 12710	
tttttgtttt	tttgagacgg agtctcactc tgctgcccag gctggagtgc agtggcgcgga 60
tcttggttca	ccgcaagctc cgct 85

<210> 12711  
 <211> 32720  
 <212> DNA  
 <213> Homo sapiens

<400> 12711

cagccagtac	cttttcaaca	accaaagcac	ttcactggag	gagtgatgcg	atggtaccaa	60
gtaaaaggca	tggaatggct	tagggtaatg	aattggaatt	tttaatacaa	gatactgggt	120
ttatttctat	agtagcctaa	tgatttgagg	taccacaact	tgagtcattt	ctatcatggt	180
tcactattat	acatttgtat	gtggatactt	gctttctgat	ttctttaccc	tgaattttta	240
gaagtagaaa	ttaccttggt	aatggcttcc	agcactttta	tggctttgat	aaaggacttt	300
ccagtgttgt	tataatttat	gggtgtgaata	tatcagcttt	aacataattc	tcatctttgg	360
gtgtgatttt	ttaaagagaa	gaaataaaat	attgtaatcc	tgtagtgtgt	tatatccaag	420
tttaaataca	gtatctatta	ttttgtccag	atgctttggg	aaaatggaat	taatggcatt	480
ttagcagatg	aaatgggatt	gggtaagaca	gttcagtgca	ttgctactat	tgcattgatg	540
attcagagag	gagtaccagg	accttttctt	gtctgtggcc	ctttgtctac	acttcctaac	600
tggatggctg	aattcaaaag	atttacacca	gatgtaagac	atgcttccct	atgttaaaat	660
tataatttta	catgttttct	tatgctttgt	tgtagtagga	attaaattgt	agaactctta	720
taattatatt	ggtttctgta	taaatatatt	gtctgatttg	acttactcaa	tctgcacaat	780
accctaattt	aaatttatat	agtatagggt	ttggaaatcc	ctgacatctt	tcctaaaata	840
ttcctgaatg	attttcagtg	cattggtaat	ttgatccgac	tgagacagac	ttaggtagag	900
attttattaa	aaattctgct	tgttcttcac	ttgatctttg	ccaaaaggct	aagaagagag	960
ttttctgttt	tttctgtact	tgttaccttc	tgcaattttt	tttttttttt	ttttttttga	1020
aatggagctt	ctgttaccca	ggctggaggg	cagtgatgca	gtcttggttc	actgcaatct	1080
ctgcctccca	tgatgaagca	attcttgtgc	ctgagccacc	ggagtagctg	ggattacaag	1140
catgtgccac	catgccccagc	taattttatg	tttttagtag	agacgatgtc	ttgccatggt	1200
ggccaggctg	gtcttgaact	cctggcctga	agagatctgc	ccactttggc	ctctcaaagt	1260
actgggatta	tagacgtgag	ccactgtacc	tcccgggccc	agcccttctg	cacatttttg	1320
ccttatgaga	aatatatata	ttctagacgt	agtatacca	tctgtctcat	tttatatatt	1380
tatatatata	ttattttatt	atattttttg	aaatggagtc	tgtctctgtc	accatgctgg	1440
agtgtagtag	ctgggactac	aggcgcacac	cacaaggcca	ggctaatttt	ttgtattttg	1500
gtagagacag	gatttcacca	tgttggccaa	gatggcctct	atctcctgac	cttgtgatcc	1560
gcccaccttg	gcctcccaca	gtggtgggat	tacaggtgtg	agccactgcg	cccagcctat	1620
atgtgtttta	tgtatttgta	ggttttttgt	tggggggggg	gttgtgtttg	tgtgtgtgtg	1680
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tatgacagag	tttactgtt	gttgcccagg	1740
ctggagtgca	atggcacgat	ctcggtcag	tgcaacctcc	gcctcccggg	ttcaagcgat	1800
tctcctgtct	cagcctccca	ggtagctggg	attacgggcg	tgcgccacca	cgcctggcta	1860
attttgtatt	tttagtagtg	acgggggttc	tccatgttgg	tcaggctggg	ctggaaactc	1920
cgacctcagg	tggctcgccc	gcctcagctt	cccaaaagtgc	tggggattac	aggtatgagc	1980
catcccacct	ggcccgtcta	tttgttttta	tgcctttttt	tttgtcttca	gacaggatgt	2040
tgtctgtgtg	ctcaggctgg	agtgcagtg	cgctattctg	gctcactgtg	gccttcacct	2100
cccaggctca	tgtgagcctg	ctatctcaca	cgcctgagta	gctcatgtga	acctcccatc	2160
tcactccact	gggtgagtag	ctggcactac	gggtgcgtac	caccacacca	gctaattttt	2220
gtattttttg	tagagatggg	atttctccat	gttgctcagg	ttgatctcga	actactggac	2280
tttagagatc	ggcttgcctt	ggcttcccaa	agtgttgaga	ttataggtgt	gagccattgt	2340
gctgggcctg	actttgtttt	tttgttttgt	ttttttcat	tttctcccat	aatagttcaa	2400
tgatttgta	gaattgcttg	gcttattttg	ctatagaaaa	atagaaataa	aattttttta	2460
aattatattt	tttccctcag	aatgatttat	attttctaaa	tagtcaatat	ttacattttg	2520
ttcttaagtc	tgataaaaaa	caatataaaa	tttttcagat	ccctacaatg	ttatatcatg	2580
gaacccagga	ggaacgtcaa	aaattggtaa	gaaatattta	caaacggaaa	gggactttgc	2640
agattcatcc	tgttgtaatc	acgtcatttg	aaatagccat	gagagaccga	aatgcgttac	2700
aggtacaaat	gatcttcatt	ggtttctttg	taatacataa	aacatgcttt	tcttcattta	2760
tatcactttc	tcaccatctg	ggagcatttg	tctaattttt	ttttgttgtc	gaaataatag	2820
atttatattgt	gcataacct	gtagaagctg	gaaactttta	ttaacagaat	gattgggatg	2880
aaggccatca	tttgtaacaa	tataattaaa	gcttatggca	gtttaacctc	tggcttagaa	2940
tcattccagaa	atagacctaa	tctcggaatg	tattacagat	atatttgtga	caggtaactt	3000
gaatatatgg	aatttactta	tcgtattttt	atcaaataag	agtatttgaa	gacaagttat	3060
tttttagagta	tcttatttga	ctatttggta	gcattttcgt	ttctattttc	ttgatgttct	3120
agctacttat	ttaaataatt	tccagttagc	ataacagaat	tgaagatttg	accttttttc	3180
tttcatgcct	tctgttttca	tttattgggt	ttttgaactt	cttcctcact	gctctacctc	3240
attcatttat	aattcttgac	tgtttttttt	ttcctttctc	tggccatgtg	agaacctctt	3300
tagtgcaatc	cccttaggtt	tatcttgctt	gcttggaat	aggaaagtat	ttaatgggtt	3360
caacataaaa	tcaaaacaca	taagtcataa	atagaataat	tatgacttgc	ataattatga	3420
ccagtattgt	caggttttat	gtgtctgctg	gtaaaacttt	ggaatatgat	ttgcagaaat	3480
ctcagttcag	gagtttagca	aagtttatga	atgtgtacag	cattaaaaag	tatttaaacc	3540



aggccgggca	tgaaggctta	tgccagtaat	tccagcactt	gggagtctga	ggtgggcaga	3600
tcccttgagg	ccaggagttc	cagaccagcc	tggccaacat	gacgaaaccc	tgtctccact	3660
aaaaatacaa	aaattagggc	ggacgcggtg	gctcacgcct	gtaatcccag	cacttttgga	3720
ggccgaggcg	ggtggatcat	gaggtcagga	tatcgagacc	atcctggcta	acaaggtgaa	3780
accccgcttc	tactaaaaat	tacaaaaaaa	ttagccgggc	gcggtggcgg	gcgcctgtag	3840
tcccagctac	tcgggaggct	gaggcaggag	aatggcgtga	acccgggaag	cggagcttgc	3900
agtgagccga	gattgcgcca	ctgcagtcgg	cagtcgggcc	tgggccgaca	gagcgagact	3960
ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaatacaaa	aattagctgg	gtgtgatggt	4020
gcacatgttt	aatggcacaa	ggattgctta	aaccaggag	gtggagggtg	cagtgaagctg	4080
tgattgcgcc	actgcactct	agcctgtgct	acagtgaag	tctgtctcaa	aaagaaaaaa	4140
aaatttaaac	cagtagtccc	caaccttttg	gcaccaggaa	ccggttttgt	ggaagacaag	4200
ttttccatgg	accatgggtg	ggggatggtt	tcagaatgat	tcaaatgcat	tataattatt	4260
gtgcacttta	tttttattat	tataaaattg	tcatatataa	tgaataata	gggctggccg	4320
tagtggctca	cccctgtaat	cccagcactt	tgggaagctt	aggcgggcag	atcacttgag	4380
gtgaggagtt	tgagaccatc	ctggccaaga	tgggtggcaa	catggtgaaa	ccacatctct	4440
acaaaaatac	aaaaattacc	tgggcatagt	ggcctagctc	cttgggaggc	tgaggcagga	4500
taattgcttg	aaccgggag	gcggatgttg	cagtgaagcc	agatcatgcc	gcttggttgg	4560
ctgggcaacc	aagtgaagct	gtgtctcaaa	ataataataa	ttttacaact	caacataacg	4620
tagaatcagt	ggtagccctg	agcctgtttt	ccatctaggg	atgatgggag	acagtgacaa	4680
atcatccacc	attagatttt	tataaggagc	gcacaacca	gacaacccag	atcccttgga	4740
tgtgcagttc	acaatagtgt	tcagtctcct	atgagaatat	aatgtctcct	gatctgacgg	4800
gaggcagagc	tcaggccata	atgtgagcag	tggggagtgg	ctgtaaatac	agatgaagct	4860
tccctttttc	gtaaatacac	acgaggcttc	cctcgctcac	agctgcttac	ctcctgctgt	4920
gtggcctggg	tcctaacatg	ccatggaccc	ctacaggtct	gtgacctggg	ggttggggac	4980
ccctgatatta	aagcattttc	ttacagtaaa	agtaatatat	accaattttt	tttaaagggt	5040
agtgtaacag	aagatgtaaa	agcacctgta	attctactcg	agaactacta	cttttttctt	5100
tttttttttt	tttttgaggc	agagtcttgc	tctgttgccc	aggctggagt	tcagtggcgc	5160
gatcttagct	cactgcaagc	tccacctccc	aggttcacac	cattctcctg	cctcagcctg	5220
ccgagtagtt	gggactacag	gtgccacaaa	ccatgcccg	ctaatttttt	tgtattttct	5280
gtagagatgg	ggtttctctg	tgtagccag	gatggtctcg	atctcctgcc	ctcgtgatcc	5340
gcccgcctca	gcctcccaga	gaactactac	ttttatacta	aataattata	gctaacatgt	5400
aggtataatt	tacacatatg	atcatactat	acattcaatt	tttttttttt	tgggtccgaga	5460
cagggctctc	ctttgtcacc	caggctggag	tcctgtggga	cgatctcagc	tcactgtagc	5520
ctgaatctcc	tgggctcaag	tgattctcct	acctctgtct	cctgagtagc	cgggactaca	5580
ggcgctcgct	atcacacctg	actgattcct	gtattttttt	gtaggaacag	ggtgtctcaa	5640
gcatccaac	tgtctaggcc	tcccaaagtg	ctgggagtac	aggtgtgagc	caccacttcc	5700
agcctgcatt	cactttttgca	acttgtgttt	tctactcagt	agtataacat	gaagaccctt	5760
cctgtaatga	aatagttaag	cttccttgct	catttccctt	gccagtggct	agaaactttt	5820
gactttttcc	atttaagtga	gcttatatta	tcatttcaag	gatcttagct	tactctggta	5880
acggagtgtg	agggtccagg	gcttttggtg	ctgagtgcga	gtggaagtga	ctgagttcac	5940
ttgctaattt	ggctttcaga	ttcctcatca	tttatttctt	tgttttcttt	tctctcacat	6000
accattata	aaagtatata	tatatatata	tatatatata	tatatatata	tatatatata	6060
cacacacaca	cacacacaca	catttttttt	tttttttttt	tgagacagtc	tcactctgtc	6120
accaggctg	gagtgcatg	gcacgatctc	ggcttactgc	aaactgtctc	ccgggctcaa	6180
gcaattctcc	tgctcgcct	cctgagtagc	tgggattaca	ggcatgtgcc	actacgtcca	6240
gctaattttt	gtatttttag	tagagacggg	gtttcaccaa	gttggccagg	ctggtctcaa	6300
actcctgacc	tcaggtaatg	cgtctgcctc	ggcctcccaa	agtgtcggga	ttacaggcct	6360
gagccactgc	gcccggccaa	ggatatttta	tatttttatc	tggattttta	gatagctgtc	6420
ttacagtga	agataattca	ggttttttgg	tttaacatat	tgccaggaaa	ataaatcctt	6480
tcttggttat	tttaataaag	aagatacagt	actataaact	tttttcattc	ttttgggatg	6540
tataaagcaa	aatgcaaaac	gttctctata	ctcttttctc	aatttgtcag	tcccattttt	6600
taaggatagt	tatatttttc	agattgttat	ttatatttcc	agaaataact	catatttctg	6660
tatgttaata	taaattagat	taattataaa	ttttcctgat	taagatatat	gagaaatcac	6720
agatatataa	atgagaaagt	taaaacaatt	tccttgataa	ctttatgaaa	gtgagtgggt	6780
gactttctgt	gaaaatataa	attgcttaaa	taagggaaaa	ttctagtgtc	atttgatgtt	6840
tcagcacata	tggaactaat	aaaagctcaa	tttttagtag	tctagtgtaa	cattaatatc	6900
aaaacttggg	aaaatattag	aaaagaaagc	tacaactgcg	ttgactaagg	tgtgaatagg	6960
gaaatcttaa	attcaaaata	ggtggagttc	aaactttatt	gcataatttta	gtaggtctct	7020
tccaggaaca	gaaatatcta	tcagtttttag	gaatccttgt	aagtggatca	aatgaaaaca	7080
tgatcatttc	agtagttact	gaaattacat	ttgataaaat	tcaacatcca	tccctcataa	7140
tagagggttt	atttttagaa	ttcttggttag	aaaaatttgt	agatcattgt	ttaaaaatct	7200

ttttcctcaa	ttcgttttct	agcattgcta	ttggaaatac	ttaatagtag	atgaaggaca	7260	
caggattaag	aatatgaagt	gccgtccta	caggaggagta	aaacgattca	atgctgataa	7320	
caaacttctt	ttgactggta	ctcccttgca	aaacaattta	tcagaacttt	ggtcattgct	7380	
aaactttttg	ttgccagatg	tatttgatga	cttgaaaagg	tgggtaagcc	agttatttaa	7440	
tgatttaacc	tcaaaaatct	gtgctgttag	ttaaaattac	tttcttttca	gtgactgaat	7500	
taaaatgcca	aatatttggc	aagttctttg	tgggtgtatat	tgtatgttct	actcctgcca	7560	
caaattatgt	gagagcagat	taagaaaaga	ttattttaaa	cttacttgca	ttgattaaag	7620	
gaagactgct	gaatgcaact	ttaagataat	atttttataa	taaggttctt	ttatgtgtta	7680	
cctttgtaaa	acattttaag	atggattttt	cttactatat	cctcattaaa	caaccaggga	7740	
caatagagtt	gttaaattat	ttcctatctc	acataaaaga	aaacctaggt	gtaaagtgtg	7800	
tacaagataa	gactagttag	ttagcaccag	agccaaagtt	aaaaccaagg	tctcccaatg	7860	
taaacacagt	gttttaattc	tggaaactgt	ttgaatctta	gcttatataa	taaaatcaga	7920	
cataaaaagta	gttttcagaa	agtaattagt	agcttcagaa	tggaggagga	ggtaatgttg	7980	
acataattta	aaactgatta	caacggaaat	ataacttggg	caaaaaataa	tttatacttg	8040	
ttttggcatc	agtgaaggaa	gtaagcta	tgggtgtgga	aaaataattt	taaatttttg	8100	
gaattttatt	caaactgtgt	taccgaatgg	tgggtcaagg	caggctacct	tattgtgact	8160	
ctgggcgctt	ttattgaaag	acaagaattc	caggctcctgt	gcagacatac	tgagttacag	8220	
tgtcaaggta	ggagttgaga	atctgagttt	tttgaacatg	cttctggtga	tccaagtttg	8280	
ggaacttcta	gtctactgca	taaatgttac	tagcattttc	cagaattggg	tataatgtta	8340	
cctattctat	attattaatc	tgcagtctca	tacttaattg	ctcattgtaa	tatatatatt	8400	
ttcaacattg	ggaagggaata	agcatgtata	ttattgtcaa	gttatgtata	tgttgaattt	8460	
taaaatattt	attgtagtgg	gccatactta	gactgatgga	gaaaaatcat	atggcctttg	8520	
ttttcagaga	tagttctcac	ttttgtaatg	taaaattata	aatatatacc	ttaatcttat	8580	
ttttgatttt	tatactactg	tacaattggt	aatctattta	taaatcagaa	aagtgttccc	8640	
tttaagctca	cagttcttga	tggttcaaaa	atgcaaccaa	tttatctttg	ttgttggaa	8700	
gtgttctctt	ccattataaa	ttttaaaaat	tgcacctaa	gatttgatgc	aacaatacca	8760	
cgtttcatta	tcagattatt	actgtaaatg	ataaatcatg	tatcatgttg	acataattga	8820	
atztatgtga	tggttaactt	aaacattttt	ctcttccagc	tttgagtctt	ggtttgacat	8880	
cactagtctt	tctgaaactg	ctgaagatat	tattgctaaa	gaaagagAAC	agaatgtatt	8940	
gcatatgctg	caccagggtt	tccatgtttt	cttattctgc	ttaaccatag	gctcगतaga	9000	
gtataaaagg	aactctggag	atcacctgtc	taaccctttg	tagtagagat	ttgaaaaatg	9060	
aagatcctcc	tacattttaa	tgactccttt	gtcctttctt	ctcccagagg	tcacatgggt	9120	
ttatgacaga	actcaagtgc	ttacctaagt	tttgtccttt	tcagatagta	tactcatttt	9180	
accctaata	gttatgata	agtttgtcaa	gcacaaaaca	gaagtatgtg	gtttttatgg	9240	
aatgcttgcc	aataaacttt	ttataattta	catccttgca	tggctgctgt	ctaactctatt	9300	
tttattgctt	cctgtaattc	ctaccccatc	ctacctatct	ttaatttaga	gaaacattat	9360	
ctttcaaggg	taatctagtc	atatgggctt	gaaaagcttc	tcagttgtgg	tttagcaatt	9420	
ttattcaaag	tctttatcgt	tttttctgat	attaaagttt	atacatgttc	atgagaaaaa	9480	
cgtgaagcag	gagagaagtg	aaaagttaaa	atatcacttc	ctcttaaaat	tgtatttctt	9540	
agcagtgcac	gtggaatgat	tatgttgtgt	tatatgacaa	tccaaactct	tttctgtctt	9600	
tgtgtaaaca	cgtgtgtttt	atctatat	tatgaagaaa	aggactttta	aaataaaatt	9660	
gttccttaag	atagtctttt	aaacagttat	cagaaaatta	ttttcctttt	actacatgta	9720	
gattttaa	agttttta	agctgtttat	tatcccattg	tcttgttcta	ctataattaa	9780	
taatatctat	ctcttctctt	tttcaaaatt	ttcaacaata	taaacaagg	tgtagtattc	9840	
gtatttaaaa	ctacaccttt	gcccattttt	ggctattttc	ttaggaaaga	attcctagaa	9900	
tgtatgtgtc	agagtttaca	gatgagggtt	tctttgaagg	caaattgccc	tccagaaaag	9960	
atztatatga	tatacgtcca	tatgaaaata	cttattttact	caagcttcat	accaattttg	10020	
aggttagaag	tcctttttcag	tgttgcagag	attaaaaagg	atgattattg	ctgaattgag	10080	
atgtttattg	actattggta	gttccttgtg	gccatattcc	aacatgtgtt	ggaatattta	10140	
tttattaatg	gtttataata	actatatgtt	aaaaataagt	taatgttgca	aataatttct	10200	
ttccctcac	tttttgggat	aaacttttgt	tatggatctt	ttgtgtgtgt	tcatgtgcac	10260	
aagcgtgtgt	gtttatat	aaaattttct	ttttttccca	ctgtgactct	gggcaatgac	10320	
agaaatttca	atgcaccaat	agttatagaa	gcttttaaat	gtcccagtct	gaattatttg	10380	
agtaa	atgac	ttatttagga	agagatgtgt	ttggatatca	catcctcatc	agtagtgtat	10440
acatccatat	agtgtagcaa	aggattaa	ttctgttctt	aggaaattta	attagagtca	10500	
agacaatgaa	tatttataga	atttgtcact	tacacgttac	ctcacagtgt	atacaggtag	10560	
atagatat	cttagaaatg	atcatctgcc	ttttgattga	acattttag	taattgtcat	10620	
agttgataat	tccataagag	ggctcactgg	aattgtttta	ctatagataa	cttcagattt	10680	
ccattaatat	taagatatga	taatgaactt	ttatttatc	caaattcaac	agttttatca	10740	
aaaatagggg	cagttttgaa	tgttctagca	ataagaatat	tctctgta	actgtgctta	10800	
aatttgagtt	tatattactt	ttacgctttg	tcctaattat	gttttaatgc	attactacag	10860	

gaaaaagttt	tcattcaaaa	tgaattcaga	ttaggtggag	atagttttaa	atcgctagta	10920
tattttctta	actattttct	atatgaaaga	attcctttcc	tttttttatg	caatgtttac	10980
ataaaccttg	catagtaaaa	aaaatttttt	ttactttccg	tttaaagttc	tctaagcttg	11040
ctacttttct	atttccaccc	catattgaag	gccaaaagca	gtataacctt	tacaaattaa	11100
ttatttaaaa	ttttttatatt	taaaattatg	cgtacacggg	aagatatttt	taaatgttat	11160
aaacatttag	aaattaaaaa	gtaagaagta	aaaattttctg	ttttccttct	gcacttcctt	11220
tcttatctcc	aaagtataac	taatagtttt	tttgttttgt	tttttttttt	tgtttgtttt	11280
tgtttttttt	tttgtttttt	tggttttttt	tttttgagac	agagtctcac	tctgttgccc	11340
aggcctggag	tgcagtgagc	gtctgcctcc	caggttcaag	cgattttcct	gccttagcct	11400
cctgagcagc	tgggattaca	ggcgtgtgcc	accacacctg	gctaattttt	ttgtattttt	11460
agtggagacg	aggtttcacc	atgttggcca	ggctgggtctt	aaactcctga	cctcaagtga	11520
tctgcccgcc	ttggcctccc	aaagtgtctg	gattacaggt	gtgagccact	gcacctggcc	11580
aacagatttt	tttttttttt	tttagagaca	atgtcctact	atgacatcca	ggcaggagag	11640
tagtggtgcc	atcggttggt	attgggttgt	tatctgcagc	ctccaactca	tactcctggg	11700
ttcaagtgat	cctcctgcct	cagccttctg	agttgctgga	accaaagggtg	catgccacca	11760
ggtccagcta	atttttggtg	gatgggtctt	gtataagtct	tgtttttgte	tgctttgaaa	11820
gcttgatatac	taggaaaaac	atatataaat	acctttttta	tacatgtggt	tcagcgggat	11880
agtgtgcctc	ttcttccaca	tatttgccat	ttcagttaac	atcaaactat	agcatttgte	11940
agtgcattgt	gtagaaaaat	atctgggtat	ttcatgtttt	ccttacagac	atggacatgt	12000
tttttttaat	tttattttat	tattttttat	tttttgagac	agaatcttgc	tctattgccc	12060
aggctggagt	gctgtggtgc	aatctcggct	cactgcaagc	tgcacctccc	gggttcacgc	12120
tattctcctg	cctcagcctc	ccgagtagct	gggactacag	gcgcctgcca	ctacgcctgg	12180
ctaatttttt	ctatttttta	gtagagacgg	agtttctactg	tgtagccggg	gatgggtctcg	12240
atctcctgac	ctcgtgatcc	gcctgccttg	gcctcccaaa	gtgctgggat	tacaggcgtg	12300
agccaccgcg	cccggccgga	catgttttaa	catgttttatg	aaacatttac	atatttttcc	12360
tgattgcctg	tccgcatatt	tgtttttggtg	tggttagata	ccaacactgg	taatgtgttt	12420
actatctttg	gtaatagtct	gtctatgatt	agctctatac	ctggtgggta	tttaagtcca	12480
gagtcctgaa	aatgagcttt	attatatatg	attactatat	gtaaaccatt	gtcagtattt	12540
aatggcaggg	gtataaagag	tatacaatta	tttgttttat	attattagta	gtagtagtag	12600
tatttttttt	gagtcacagt	ctctgtcgcc	caggctaggg	tgcagtggca	agatcttggc	12660
tcactgcaac	ctctgtctcc	caagttcaag	ccattctcct	gcctcagcct	tccgagtagc	12720
tgggattctg	taatcccgcc	accacgcctg	actaaatttt	tttgtttttt	tagtagagac	12780
gggatttcac	catgttgccc	aggctagtct	caaacttctg	acctcagggtg	atctgctcgc	12840
ctcggcttcc	caaactgctg	ggattacagg	tgtgagctac	tgcgtccgac	ctagagtata	12900
caatgatttt	aatctagtat	ttgtgtctct	ttagtaccc	gaatatttta	atgcataatt	12960
attgtctgtt	gcttctgtgt	tctctttata	aatgtgataa	tcatttgtaa	ccacccagc	13020
taatgaaaga	gaataatttt	aagcctgaaa	ctttagaact	tatagaagga	aacttgtagt	13080
tctgcatccc	taggtcagct	ggctttttac	tgagtcttaa	aacctcattc	tattaaaaaa	13140
tttttaattt	ttaaaaaaac	ttttagtttt	ttgggtacat	agtagatgta	tatattttatg	13200
aggatatatg	tttgatatatt	atacagaaaat	gcaatgcata	ataatcatat	catggagaat	13260
ggggtatcca	tcccttcaag	catttggttac	cctttgtggt	acaaatgac	cagttataca	13320
cttttggtgt	tgtgtgtgtg	tggagacaga	gtctgtctct	gtcaccagag	ctggagtga	13380
gtggcacaat	cctggttctc	tgcacacctc	gccttcagg	ttcaaacaat	tctcctgcct	13440
cagcctcttg	agtagctggg	attacaggta	cccgccagca	caccagcta	atttttgtat	13500
ttttagtgga	gatgggggtt	caccatgttc	accaggctgg	tctcaaactc	ttgaccagag	13560
tgattcaccc	gtcttggcct	cccaaagtgc	tgtgattaca	agtgtgagcc	accgcacctg	13620
gcctctagtt	atactcttct	ttatatttta	aaatgtaaaa	gttaaattat	tattgactgt	13680
agtcaccctg	ttgtgctacc	aaatattagg	tcttattatt	tctacttttt	gtactcatta	13740
tttcaaatat	ttttaaattt	tattcatttt	tattatttcc	ccttttgat	ggtgctgata	13800
acatctcatt	ctaaaagtgt	tgggctataa	ctgaaacttc	aaccctaaga	aatacaaatg	13860
ctacctttat	atttttactt	ttaaaattat	ttgagataga	ttcttacagt	ttttaaaaga	13920
aaataaattc	tgaatgctg	cggacaactg	tgagtttatc	atttgggtctg	gtctgggaaa	13980
atctcaagat	attttcacct	tttgagattt	ggcattattt	atataggaag	tcaaaagata	14040
aggtaaagga	gtatatgggg	acagtattcc	ttgaaaaaca	agaatgttta	atactcatat	14100
ttttctgttc	atgttttaat	tttagatttt	aacacctttc	ttattgagaa	gactgaagtc	14160
tgatgttgct	cttgaagttc	ctcctaaacg	agaagtagtc	gtttatgctc	cactttcaaa	14220
gaagcaggag	atctttttata	cagccattgt	gaaccgtaca	attgcaaaca	tgtttgatc	14280
cagtgaagga	tagtgggttt	gaaatgtact	gtaaatgaaa	cttgacatat	aaaatttctc	14340
ttttttccct	ttttttttga	gagaagggtg	cgctctgtca	cccaggctgt	ggtgcagtgg	14400
cacaatcact	gctcactgca	gcctttacct	gcctggctaa	attttttgta	tttttttgta	14460
gagactggca	tttcgccatg	tttcccaggt	tggtctcaga	ctcctgggct	taagcagtc	14520

acccaccttg	gcctcccaaa	gtgctgggat	tccaggtttt	agcaattgtg	cctggcctaa	14580
attccagttt	taaggtcccc	ttgttcattt	ttaggacttg	ggtgaatttc	taactggggt	14640
ataaggcata	aggcttagtg	gcaaaagttg	tttccctagta	tctggagtc	tgctaaaatg	14700
ttaagtata	atctttgtat	taattgcttt	acagtcactt	ggaatactta	ctaaaaat	14760
aggccaggca	cggtggctca	tgctgtttat	cccagcactt	tgagaggccg	aggcggttg	14820
atcacctgag	gtcgggaatt	tgagaccagt	ctgaccaaca	tgagaaaaac	cctgtctcta	14880
ctaaaaaac	aaaattagct	aggcgtgggt	gcgcatgcct	gtaatcctag	ctactcagga	14940
aggctgaggc	aggagaatca	cttgaacccg	ggagacggag	gttgtggtga	gccaagattg	15000
tgcttttgca	ctccagcctg	ggcagcaaga	gcgaaactcc	gtctcaaaaa	aaataaataa	15060
aaaaaaaaatg	tatatctccg	tacagattaa	ctctaatacat	gctttctgga	gatgaacttg	15120
gaaatgcatt	tttaacaagc	acacaggtag	gtatttgaga	atccctgtac	taaggacttg	15180
gcaactagac	taatctccag	atatacagat	tgagcatcca	aaatctgagt	tgctccaaaa	15240
tttgaaactt	tgagtgtctga	tatgaaactg	aaaggaaatg	cttattggag	catttgtatt	15300
ttcccgttag	ggatgttcta	cctgtacagt	ttccttacag	aagggtattg	ataacccaaa	15360
agattaataa	tcaatttgat	gatgattatt	catcaccac	catattatag	gagatagagg	15420
tggtatgtta	ttatcatgta	actgaaggag	acccttaagt	tttgtttaac	tttccagggt	15480
ttttatttga	cactataaac	ctactgtattt	tcttttcaaa	atattttattg	tgatgcattt	15540
ttaaacaata	ggaccaccag	actcttctcc	ccccgacttt	tttttttttt	tttttttttt	15600
tgagacagag	tctcgtctgt	ttgcccaggc	tggtatgtag	tggtatgatc	ttggcttact	15660
gcaagctccg	cctcccgggt	tcagtccatt	ctcctgcctc	agcctccga	gtagctggga	15720
ctacagtcgc	ccgccaccac	gcttggttaa	ttttttctat	ttttgagtag	agacggggtt	15780
tcaccatggt	agccaggatg	gtctcgatct	tctgaccttg	tgatctgccc	gcctcggcct	15840
ccgaaagtgc	tggttttaca	ggcgtgagcc	accgtaccgc	gcctcttctc	cctttttaat	15900
aattaattat	aattaaagga	agggtctagc	cgtttacaaa	tttacattat	ttgtctgtta	15960
atgagcaatt	tcataatgag	cagtttcatg	cagtgttaca	ccagtctgaa	gaaatatcct	16020
ctgtactgca	aatttccgga	gccatttttc	aactttaagg	tattaaatcc	ttttgtgtaa	16080
gttcaaagta	gtttttatata	cccttcattt	ttacctattg	agatatgaag	gcccttcctc	16140
ttactttcag	atattgttgt	ccatgtttaa	attaaactaa	tttccacaaa	catttgtatt	16200
tgtctataga	ttgtcatttt	gtacataaaa	tatgccttat	tttgtttaca	tttagaacct	16260
aaggacatag	ctttataaac	tgaatttctt	ttaattcggt	ccctttttaga	aagaaacaat	16320
tgagttaagt	cctactggtc	gacccaaaacg	acgaactaga	aaatcaataa	attacagcaa	16380
aatagatgat	ttccctaagt	aattggaaaa	actgatcagt	caaatacagc	cagagggtgga	16440
ccgagaaagg	tttgaattca	aaagtgaatt	taagtattct	ttaaactgtg	accatttttt	16500
gcatttccca	tatatgcat	atttgttttg	gtagagctgt	tggtgaagtg	aatatccctg	16560
tagaatctga	agttaatctg	aagctgcaga	atataatgat	gctacttcgt	aatgttgtta	16620
atcatccata	tttgattgaa	tatcctatag	accctgttac	acaagaattt	aagggtgaata	16680
ctgttttaatt	ctaattttact	gttttgattt	ccattacttt	tatatgtgtg	gaaagtgtta	16740
ctttttttga	ttataattat	taaaaataag	tatggtgcta	tttgtcatga	agattgtaat	16800
ccttcagtaa	gctgagacag	tcttctttcc	gaaatttcag	agaaccttat	cagggttaga	16860
aaaatggta	ctttctatga	gcaactagtt	ttttaaat	ttttattttt	tatagagaca	16920
gggtcttgct	atgtttctca	ggctggcttc	aaacttcctg	gtttctcagg	caatcctgcc	16980
tcagcttccc	agagtgtctag	gattacagcg	aaagaccacc	acgcttggcc	tctatgcaac	17040
ttatatTTTT	atttacatat	tttatgtgaa	caactaaaga	ttctaaattt	agtaattgat	17100
ttgtactctg	catgtttact	tgttatat	tagagagagt	ggtcatcttt	tcactatttc	17160
ttttatcatt	aatatttggt	ttatcaaaa	cagcctgggt	gctcattgct	taaagatcaa	17220
caggtagcca	tagaataaaa	ccagttttga	tttgagggtt	ttcaaattaa	gtaaatgaag	17280
ttgctttctt	gggtagttga	tagaatgata	gcataatata	aatagaaata	aattcttagt	17340
aacctcaat	cacagtgtgt	tcaaggtagt	ttacaatagg	cttttccact	cctggcaata	17400
ttgacatttt	gggccagata	attctttctt	aggaggtaat	gttctgtgca	cttaggacat	17460
ttagcagcat	ccctgtcttc	taccattag	atgccactag	tattcacttc	cctcagttat	17520
gacaactaaa	aagtgtgctg	ccgctgccaa	atataccctg	gggatagggtg	gagggcaaaa	17580
ttgtcccat	ttgagaggca	ctgctttaca	tctttattag	agtaagaagg	aagacaaaac	17640
tttcccactc	aatgaaagt	agctctctca	tgagggaatt	tcaccagaag	gtgaaaaagt	17700
ctttgtccac	aatattttaga	ttacttatca	gctcctgtat	tttctcttaa	tttctggtaa	17760
gaattcttagc	agtagtttac	atatacattt	agttggaaat	aactcactta	taaagaataa	17820
gctgagtat	gtaccatta	agtttgacat	aattgttttc	tttcacaatg	actttgagag	17880
aggagtgttg	aggttagatc	aaagtatat	ttgtactttg	ttttgtgaa	attgctgggt	17940
ttacattcta	gagtatgct	ttgagtaata	actatcttct	gattttacaa	agattgaata	18000
acaggtcagt	ttttaagttt	tttaagtgtac	ttggctttga	aaattgaact	ttccaaatgg	18060
cttttggttt	aacaaagcaa	ataacagttt	tctctctatt	tttcttctct	ttgcccctcc	18120
ttaagatcga	tgaagaattg	gtaacaaatt	ctgggaagtt	cttgattttg	gatcgaatgc	18180

tgccagaact	aaaaaaaaaga	ggtcacaagg	tggtactttt	gattggaatt	ttggattggt	18240
caattatttt	tttatcaatc	attagaaata	ttaagatatg	tttaatttca	ggtgctgctt	18300
ttttcacaaa	tgacaagcat	gttggacatt	ttgatggatt	actgccatct	cagagatttc	18360
aacttcagca	ggcttgatgg	gtccatgtct	tactcagaga	gagaaaaaaa	cgtaagacta	18420
cttatgtcat	acataccaaa	ctattctttt	ataattccta	tcttgatttc	tgaagtaata	18480
ttccaaatag	acccacaaat	tgataaaaag	atagaaatga	ccagaaaccc	tgtgggttta	18540
tcaaaaacaa	acattttgat	ttagtactaa	gaagtcttaa	tttttgattc	acaaatatat	18600
atatcttctg	gcacaatctt	attaataata	tcctacttaa	ccatcactgt	aagaatattg	18660
ggatagcagg	aaattttttg	cctttttgcc	ctgtcctcaa	ctttctatta	tgaaaatatc	18720
aactatatgg	caaagttgaa	aaaaaaaaag	caactgtaaa	tccgcctaca	atctgctggt	18780
aacatttgac	tatacctttt	taaaaacaca	tttctgttaa	tagcagcctt	gctgtatcca	18840
ttcagcattt	aatcctgggt	ttttgggtgca	tttaaaaaata	aaatatagat	gatactaccc	18900
ttttccgtaa	tgacttcagc	atatttttatc	ttttggggta	aaatttacac	atactgaagc	18960
aaataatgta	tacatttgct	gaatctttct	gacaaatgca	tatgtaaatt	tatacctaac	19020
ccctattaag	atatagaatg	ttaccatcag	cccagaaagt	ttcctgtgcc	cccttctagt	19080
caattctccc	ctgcaccac	cccatgtgtt	tagacaacta	caattttttc	atcatttttt	19140
gatattagct	tttcttattt	aaacattggt	gtgatacatg	gtttttaaca	aaattaagat	19200
ctctttaata	taggtgcttg	gacgataaag	ctaacagcac	aggttttggt	aacataattg	19260
ttttatagat	ctgaatgatt	tgtttggcct	cctttgttta	agtctttaat	agttgtaatt	19320
gaaaacattt	ttctccttca	gtcttggttg	ttaatttatt	ttaatctggt	gtattttacat	19380
cctttttgct	tttagatgca	cagcttcaac	acggatccag	aggtgtttat	cttcttagtg	19440
agtacacgag	ctggtggcct	gggcattaat	ctgactgcag	cagatacagt	tatcattttat	19500
gatagtgatt	gggtaagttg	gaagtatagc	aaggaatatg	ctgattatat	ttccattttg	19560
aatttttttt	tttttttgaa	atggagtctc	actctgttgc	ccaggctgga	gtgcagtggc	19620
acgatctcgg	ctcactgcaa	ccttcacctc	ctgggttcaa	gtgattctct	tgcctcagcc	19680
ccctgagtag	ctgtgactat	aggtgtacac	cacaatgcct	ggctaatttt	tgtgttttta	19740
gtagagacgg	ggttttgcca	tgttggccag	gctctcttga	atcctgacct	cagggtgatcc	19800
gcccacctcg	gcctcccaaa	gtgctggcat	tacaggcttg	agccaccaca	cccagcctcc	19860
attctgaatt	tttttttttt	tttttttttg	agaaggagtt	ttgctcttgt	tgcccaggct	19920
gggattaagt	gctgggatta	ccagcatgag	ccaccgcgcc	cggccattct	gaatttttaa	19980
tttttaattg	tacatgttac	aaatttactt	atctattttg	aaaagatacc	catttttcagc	20040
taagagttat	ttcttcataa	agttttttgc	aagtaaaaaat	tgaaaatttt	tttttacttt	20100
tgttttttag	gacaggtctc	cactatcacc	caggcttgag	tgcagtggca	ccatcacggc	20160
tcagtagcct	tgactttttg	gattcaagtg	atctctccac	ctcattctct	caagtagctg	20220
ggtctatggg	tgtgctacca	tgcccacaaa	aaatgtaaaa	attagtgaga	ccacgtctca	20280
ctgtttgccc	acgctggtct	tgtatcctca	tatgatcctc	ctgccttggc	ttcccaaaat	20340
gctgagatta	taggagttag	tcacgtgcc	catcctgaaa	tgttttcttt	agggatattta	20400
aacttttttg	ttaatatgtt	caaggatctg	tggaaatgata	attttgtcta	tgaagccact	20460
ctggaagttt	aaattaagac	accactattt	aaaagttcct	ggctagatca	ttcatgttga	20520
ctttatccac	atgagtttat	gttaattttta	acctaatacc	gttaaatatt	atttttcttt	20580
ttaactttta	gaacccccag	tccgatcttc	aggcccagga	tagatgtcat	agaattgggtc	20640
agacaaagcc	agttgttggt	tatcgccttg	ttacagcaaa	tactatcgat	cagaaaaattg	20700
tggaaagagc	agctgtcataa	aggaactctg	aaaagttgat	catccataaa	agtaaaataac	20760
acttatgtag	tgtcttattg	tttaaaattg	gcattgtgtg	ttgtggattt	tgtttttatt	20820
ttgtttataa	aatattacag	cctggggccga	gttctgtgtc	tcacacctgt	aatcctagta	20880
ctttgggatg	ccaaggtgag	tggatcacga	ggtcaggagt	tcgagaccag	gctggccaag	20940
atgggtgaaac	cgcgtctcta	ctaacaatac	aaaaattagc	tgggctcggt	ggcggggcgcc	21000
tgtaatccca	gctactcagg	aagctgaggc	aggagaatcg	cttgaaccgg	ggaggaggag	21060
gttgcaagtga	gccgagatcg	tgccactgca	ctctagcctg	ggtaacagaa	caagactctg	21120
tctcaaaaaa	aaaaatatta	acagcctgat	atgacaggat	ttaaataagc	agtgggggaat	21180
ttgggagcct	aaactaagtt	ggtcaccata	gacataaaaag	aaagaatgtt	agcgagtatg	21240
tagatatgta	agatgaagagc	agatgggcag	agaaaaaggg	tcaaggataa	ctacatgttc	21300
ctgataagag	attggcttgc	taaaagtttt	aagataaata	ttttgcaagt	tccatgtatt	21360
aaaatattaa	gtgtattttta	gtgtttataa	aaatctattt	atttattgaa	cccactgttt	21420
cacagaatat	ttcactgcag	aatgcccttt	ttatagtttt	ggacactttt	ttttcctttt	21480
tcatttcctt	atcataacca	gatgggtctc	aacaatgctt	tttaatctag	aaaaaattct	21540
gaggaggtgg	ggaactgaca	taggtgaaaa	agttttgttc	ctgagattcc	ttagagaagt	21600
tatacttcta	tccattcacc	ataaaatttt	ctttgaataa	atggcttgat	agctacctga	21660
agaaatgttg	aaaatcattt	atgtaaatca	tcaagcccta	gagaaatggg	aacatgataa	21720
tgttaatgtg	aaaagtaatg	ttggaaatca	ctaataattt	attttatact	ccttttccac	21780
ttgtaaatac	tttctctggg	ttttgaggta	agagtgtatt	aaggtttaga	caaaattaat	21840

ttggtgaaac	athtagattg	taattggaac	ttgcattggg	gaaaaagcat	aatttttttt	21900
taagagacca	tttaactttt	ttaccagggt	tgttctcgaa	cacctggact	caagtgatcc	21960
tcctgcctta	gcctcttcaa	gtggtgggct	tataggtgtg	agccactgtg	ctcagcccta	22020
ttttcgattt	tttagtagat	taattttgtg	gaaaattttg	aagggtattt	tttaaagtgt	22080
gacatttttc	agttgagtta	ttacatacat	acagcaaaat	gcacagatct	taaatgtaca	22140
ggttaatgaa	gtttgaccag	atttatgtac	tcctatgtaa	ctatcatcga	gatcaaggta	22200
gcattttcat	catccaagaa	attttctttg	ttcacccttt	ccagtaattc	ctatgctccc	22260
cttaccatca	ctaggaagca	tccagtattc	tgattttttg	cacactgatg	agtctttttt	22320
ctgtttagct	attttggtga	atataatttt	tcaacacaga	gtcatctgtg	ttgttttttag	22380
tagaattttt	ttcttttaat	tgggtgaatag	tttgtttttt	ccattctcct	gttgggtcgac	22440
atttaaatta	tttctagatt	ctgggttatta	tgaataagtt	ggctcctgtac	aagtctttgt	22500
ggacataatg	catttttttg	tccttgatct	tagggagggt	gcgtgtttta	ctactggaaa	22560
ctaccagcct	tttccaaagt	ggacatatca	ttttccagtc	ctaccagcga	agcctgagag	22620
cttcatttgc	ttttattttt	tatcaacact	ttttttttg	gtccttctta	atgcaagcca	22680
ttgtgattgg	tttgtaatat	gttggtattgt	agtttttaaa	ggaattttta	tgttttttaat	22740
ttctcatttt	tttttagatca	tttcaaagggt	ggctcagctg	gattaaatct	gtctaagaat	22800
ttcttagatc	ctaaggaatt	aatggaatta	ttaaaatcta	gagattatga	aagggtgagtt	22860
tttaattttta	gaaagatttta	atttgtagct	ttgaattatt	cacatagact	tgaatatttt	22920
gttttctata	gggaaataaa	aggatcaaga	gagaagggtca	ttagtgataa	agatctagag	22980
ttggttgtag	atcgaagtga	tcttattgggt	aagtattatg	cttttttttta	atggaagcct	23040
cgaaacatac	acttaatttag	cataatgtaa	tgaacccctt	gtgcaattca	ttcagccaca	23100
tgtatccaat	cttggttttat	tgtcattttt	cttcttagag	tattaaaatc	aaatctcaga	23160
catgacattt	tgcccataaa	tgtcattatc	tttaacttct	tccataattc	agatattttc	23220
tgtaaactgg	taaataaacac	ttgtaaatga	atataattcaa	gttcctgtct	tagttaagaa	23280
taccagtgtc	ttgttctcat	attttctcgt	ataccaggag	gcacatcgta	tctggatttc	23340
ttattttccag	tgagctaaga	ttaatcaaga	taattgttata	aagtgtcttg	tcagccttca	23400
tcctttactt	aacacgatga	tttattttat	tttattttat	ttttttggag	acagagtctt	23460
gccctgtcgc	ccagggtgga	gtgcgctgac	acgatctcag	ctcactgcaa	cctcagcctc	23520
ctgggttcaa	gggattctcc	tgcctcagcc	tccctagtag	ctagtattac	agtcgcctgc	23580
caccacacct	ggctaatttt	tgtatcttta	gtagagacag	ggtttcgcca	tgttggccag	23640
gctgggtctt	aactcctgat	ttcagggtgt	gtgcccaccc	cagcctccca	aagcactggg	23700
attacaggca	tgagccactg	caccaagcct	aacgtgggtga	tttttagtat	cccttgaaag	23760
tggttgataa	gaaccattat	taacttaatc	attgcaaaat	gggtgatttt	cttggtctgt	23820
cattctttta	ttagctgggt	tatttaagaa	ctttccctta	cagtttccct	gagatagaag	23880
agagccagga	tatattgctt	cttttttttt	tttttatcag	tttttagaat	accaccttat	23940
gatctgtatg	ctacagtgat	gaccatgaat	tattttgaaa	acaaaaataa	tattttgtac	24000
ttcataattt	cctaattatt	ttacaacata	ttactgtcgt	ctaggctatt	gattatttgt	24060
ctggtgcac	tgtatggtgg	agatactgta	taatcttttt	ttcccaactg	tattccgtga	24120
cattttgggt	ttttgaaatt	gggtgatggca	gtaacattca	tatcacggat	acaggcagaa	24180
actagaaacc	ccagtctttg	tttttaacaa	aaaaggggtct	tgctttgtat	tcctgggctag	24240
aatgcaggag	tgcgactata	gctcattgca	gcctaaaagt	cctggggtca	agggatcctc	24300
cagcctcagc	ctttggagta	agctgggatt	ataggcatga	gccattgtgc	ctcagttttt	24360
gttttttttg	agacccaatt	gttaaacatt	tacctgcgtg	gcactggcta	cagtgtcatg	24420
atatcttatt	ttcaaataatg	ttgttcattt	taaaattcaa	ttctgtgtct	tattgaatca	24480
aaataaaata	tattgggttg	aagttttttt	tttttttttt	ttaatcagat	gtattttcca	24540
aacattttct	tctactctgg	cctgtctctt	cacttactta	cttagtatct	tctgaagagc	24600
aaaagtttta	aatttttaatt	aattttcaatt	tttaacaaatt	tttttctggt	cactcatgat	24660
ttttatgtca	tctgtaacta	ctctttgcct	aattcaagggt	gttgatattt	tcttttaata	24720
gttttatagt	ttttgctctt	acatttagat	ctatgatcta	ttttcaatga	attttcatct	24780
ttttgcatgt	caatattaat	ttgttaaaaa	gatgatcctt	tttctattgg	atggccttgt	24840
catccttgat	gcaaaataatt	tgatcataaa	tataaggatt	tatttctgta	ttctcaattc	24900
tgtcccattg	atctctgtgg	tattcctatg	ccagtattcg	actgatttaa	tttaaggtagc	24960
tttatgggaa	gtgtactttc	tctagttttg	ttctttttca	aaattgtttt	agatattctg	25020
gattatttgc	atgttttatt	gagtttttaac	tttgaaatag	tttagggaga	aatatgagac	25080
atacagcatc	atgggtcaaat	ctaaactata	ttaaaaaaca	acattatgtg	aggcatgtaa	25140
ggactgttta	acatctgata	atataattca	tatcaattaa	ataatggaga	actagatgat	25200
cacctaatta	gataccaaaa	accaacttgc	cataatatcg	taatcatctt	cataattttt	25260
ttttatttga	gacaaaagtct	cgttctgtca	ccgagggtgg	agttcagtg	tgtgatcatg	25320
gctcactgca	gctttaacct	gctggggtca	atcaatcccc	acacctcagc	ctcccaagtt	25380
gctggggact	caggtgtgat	tactatgtcc	tgctaatttt	gttttgtgta	ttttgtagag	25440
acaggggttt	gccatgttgc	tcaagctgggt	ctcacactcc	tgggctcaag	tgatctgtct	25500

gcctcatcct	cctaaagtgc	tggcattatc	gaaactgctt	ttatttgcaa	gtgggtctggt	25560
ttgattatct	tcataggaag	tccaagggaa	tccagaatct	tttaaaatag	aattttaagaa	25620
gattgcttat	taataatatg	tgtaacagca	ataattgttt	aataatgaag	gtttttacaa	25680
cagctacaaa	attaacatgc	ctacaattaa	agtttaacaa	tttttaacat	gtttatataa	25740
ggacagaatt	atgaaacatt	gaaggacggt	aatagaaaga	ctgagtaaac	atgcagattt	25800
agctgtatct	gtggatatga	atgggttacta	caaagtgtaa	gtcagtgggtc	cccaaaacta	25860
acttatattc	ttgaattttt	cttctaatta	aaatcccaga	atgatggctg	gggtgtggtg	25920
ctcatgccta	taatcctatc	actttggggag	gctgaggcag	gtggattgcc	tgagctcagg	25980
agttagagac	cagcctgggc	aacacgggtga	aacctgtctt	ctactaaaat	agaaaaaatt	26040
agcggggcat	ggaggcatgt	gcctataatc	ccagctactc	agaaggctga	ggcaggagaa	26100
ttgctagaac	ctggcagggtg	gaggttgcag	tgaatggaga	ttgtgccact	gcactccagc	26160
ctgggtgaca	gagcgagact	ctgtctctta	aaaaaaaaaa	aaaaaatccc	agaatgactt	26220
tttgtaaaac	agactgtttg	taaaattttat	atgagagagt	aataaagggc	cagaaccaag	26280
acagttttga	agcacaagat	attctataacc	aggtataaag	tcttatttaa	aattttaaaag	26340
tcataataat	caagatggta	gaatttagcac	atgggtgtgat	atattggcta	gaagtacaat	26400
atgggtgaatc	tagaaagaca	actttcacga	aaagctaata	aatgtgaaat	ggaacttcaa	26460
acaactgata	ggaaattcct	attaatcaat	agatgatctg	gggaaatagt	aattaatagg	26520
ggaaaaatta	acttagattc	tcctctcctc	acactgcact	tacaaacttc	agataaatta	26580
acaatccacg	tgttcaaaac	ctaaatatta	aaggtagaat	tttaacctaa	aaagacaaga	26640
aaatatatct	atgatttttag	aattagaatt	ctttataata	cagaaatcac	aaatttatatg	26700
ataggtttca	tagatttttaa	ttacattaat	aggaaagact	actataagac	agatgacacc	26760
ataaagagat	aagagacaaa	ccacaaataa	tatttgcaac	atataacagg	aagtgttttag	26820
gatatgcaag	taaaataaaag	ttgataatga	aaacggataa	tataagagca	ggctattacc	26880
aagagagaaa	gaaatgtctg	atgaacagac	aaggatgatt	agaaatcagt	aatacaaatg	26940
aaaatcagat	ttcattttcac	agctgtctatg	ttgataaaaa	tttaggagac	tacatatgtt	27000
cattgattca	aaatgtttct	caaggtaagc	tttttgtggt	gtgttttcag	ctattaaacg	27060
aatcgtgatt	gggcctcttt	ttaaaacggt	tctgacaaca	tgattcaaat	tgatattatt	27120
tattgctctt	tgacttggtt	atcttacctt	aaattcagca	aaagcgattt	tgactagcaa	27180
actgatgctt	tagattgtat	gctcccaaga	gtctgattct	agttgttgta	ttaagaatag	27240
tgtacctttt	tgcttttact	gctattaaat	cttggtgatt	aaggaagaga	gtgccctgta	27300
ttactgtgag	ttttataatt	ttggacagat	gactcacttc	tcataacatc	atattggatg	27360
tttctttttc	gatttctctt	tcttataact	ctaaaatgta	cctgttttta	tgtttttccc	27420
ttagatcaaa	tgaatgcttc	aggaccaatt	aaagagaaga	tggggatatt	caagatatata	27480
gaaaattctg	aagattccag	tectgaatgt	ttgttttaaa	gtggagctca	agaatagctt	27540
ttaaaagttc	ttattttacat	ctagtgattt	ccctgtattg	ggtttgaaat	actgattgtc	27600
cacttcacct	tttttattat	atcagttgac	atgtaactag	taccatgcgt	acttaaatag	27660
atggtaattt	tctgagcctt	accaagaaca	aagaagtatc	catattaagt	ttagattttc	27720
agttaatttt	tgagactgag	tagtattcct	ggatacaggc	tgatgtgtac	ttaaccactt	27780
ccagattttat	acagtcttcc	tgtggaagtt	tagtaaatgt	ctttttccct	cctttcttct	27840
agtaatgcag	ttcatgggct	ttaggtactt	cagttatgaa	gtaggctttt	catggggaga	27900
gattgggatt	atgctctctg	ttgttttaaga	aactgtttga	tttttagagtc	tatttctatg	27960
agatagttta	ccaaataaat	gttccctata	agatgatctc	attaaattat	ttcttcagga	28020
atagcttagg	tgcataataa	gcaaaagact	tggtgtctcg	taggatttgg	ttattttggt	28080
ttcttggttt	cattcactag	tactatagga	gtgtgtcata	tagagatttc	aagtggacat	28140
tgtgttagca	caagagaagt	ttctgaatga	aacttttaggg	tcttgagaaa	cgactagaaa	28200
ttggaaatgg	tagtgtatca	tgcaaaaaca	gacagaccct	gaaaatttat	agtagtgggt	28260
taactagaac	caaatataag	agaataggcc	ttaggaatat	gtaagtaatg	cacaatctgt	28320
aatagaacag	cataaaggcc	aaaagaggca	caatttagac	cctgtgtgaa	aggatatcag	28380
acaatgagga	agagaaatcc	tgaatgtacc	ctggagaggg	gacatactcc	ataagccata	28440
catttctgtg	ttagtgttta	tttcatggaa	aaatattgct	gttgccatgt	atattcaaat	28500
gcagatcaga	tgatctgtta	aggataattg	aaccgtcact	taagaaaaac	ttaatttttt	28560
ttccctgtgt	cctattggca	caggctctttt	cttttttaatt	tttattttta	tcgtttttgag	28620
gtacaggttg	gttttggtta	catggataag	ttcttttggtg	gtgaagaaaa	acttcagata	28680
gaacatttgg	ttaaataaaa	gactatagag	caggtttatt	tgttttttta	gtcaaaatgt	28740
taaccattta	cataagcatg	ctgacctagg	cttgcttgaa	actcgtgatc	ttgtccttag	28800
tgaccagtc	tttctgttta	cattgtccta	aatgactggt	ttcatagttt	tactctgtca	28860
ttgcacgtct	catatctcct	ccctctcact	ttgctcccta	ttgccctgag	aaaatagacg	28920
cagtcagaaa	agaatcttta	aaagtgtgtc	ccgttgcatc	tgtaaaccta	gcactctgtgc	28980
ccatctgtcc	ccatctgccc	tttattataa	actgcggata	tattgtttgt	cgtagcttga	29040
gccaattgca	ttgtctcatt	tcttttataa	caaagctcct	tgaaaaagag	ttctattata	29100
gcaaaactcc	ttgcctgtat	tcattgtttt	tagtttgttc	tgttttttct	gaaccatttc	29160

caatcagata	ttcattttcca	ttggagctgg	tattttttaag	gtctcgtgac	gtcagtgacc	29220
tcatttttact	tgatctatta	gcagcatttc	atacagttgt	tgactcttct	ccattaaaaac	29280
attttacttta	tttggcttct	aggaaacata	ttttcctgct	ttttcttctt	atttctctga	29340
ctctttttctc	agtttccttt	gctgtttcct	tttctatcct	ctaaacattg	aaatataccta	29400
agcctagttt	gggattccct	tgatggctct	cattttcttta	atggggaactg	tgctgggtgac	29460
tcaaatttat	atctccagcc	agaacctttc	tcctgaattc	cagattcaca	tatccgactg	29520
tttactagg	gcttgataac	tatatctgta	cttttcatct	tgtttaatcc	aaatttactt	29580
cttttgcatt	ttccttagtt	caataaatga	caacttttatt	cttccagtta	tttaaaccaa	29640
aaatcttaga	gtcattcttc	tcttccttcc	ctcatatttc	atgtctgatt	ctaaaggaaa	29700
tcttgttgcc	tgtacttttt	ctttcttttc	tttttttccc	cttttttttga	gtctcgcact	29760
gtcgcacagg	ctggagtgc	gtagtgcaat	ctcagctgac	tgcaatctct	gtgtcccggg	29820
ttcaagcgat	tctcctacct	cagcctcctg	agcagctggg	gttacagggtg	catgccacca	29880
tgccctggcta	attttttatat	tttttagtaga	gactgggttt	caccatgttg	gtaaggctgg	29940
tctccaactc	ctgaccttgt	gatctgccc	ccttggcctc	ccaaagtgt	gggattgcag	30000
gcgtgagcca	ccacatctgg	cttttttttt	tttttttttt	ataaacagtt	tcacttcgtc	30060
acctgggctg	aagtacagt	gtgtgatctt	ggctcactgc	aacatctgcc	ccccgggttt	30120
aagtgtattct	cattccttgg	cctcccaggt	agctgggact	agaagtgtgc	gccaccacac	30180
ctgggctaatt	ttcttatttt	tagtagaaa	gtggtttcac	catgttggtc	aggctgggtc	30240
cgaactcctc	acctcaactg	atcatctgcc	tcggactaag	tgctgggatt	acaggcctga	30300
gccaatgccc	ccagcctact	ttctataaaa	gtcgtcatgt	ctctgcccc	accccccgcc	30360
acccccaca	tagtctgttt	catttgattt	tccccttagt	ttagtgtttt	attttgatgt	30420
ttcttcagat	gccttgggat	catttactgt	tcctcatatt	taagagcaaa	tgcttaaaaa	30480
ttcttagaaa	taccttcttg	aaaagcctgc	attcctacca	cctctcacca	cttcaacatg	30540
aaataatgat	cccttacatc	tttttagtgt	agttatataa	cttttgattg	gctcaataat	30600
tacttttatt	atggctgtgt	aagtattatt	aaagctttag	ataagccatg	gaatatgctg	30660
tgatttttatt	ttcatctttg	tgacgttttt	tttttctccc	tgaagttaat	acttaactgt	30720
tttttaccta	ccagtaattt	atatctaata	actctggaaa	tataagcccc	tcagtataatt	30780
aaaacagatc	tcatgattca	gtaataaacc	tccccctcca	aatatatccc	atcacctcta	30840
ctccctggaa	cattcttcta	gtttggactg	tagaactgat	tccatctgga	accttccttt	30900
accatactcc	tgggtattcc	tggtggctgt	ttcatgtttt	ggaattactg	tttactgtgt	30960
cttgtgtctc	cccccccccc	cctttttttt	tcctttaaga	cagagtttca	ctcttgttgc	31020
ccaggctgga	gtgcaatggc	ttgatctcgg	ctcactgcaa	cctctgtctc	ccaggtttaa	31080
actattctcc	tgccctcagcc	tcctgagtag	ctagaattac	aagcgccac	caccatgccc	31140
agctaatttt	tgtattttta	gtaggacag	ggtttcacca	tggtggccac	gctgggtctc	31200
aactcctgac	ctcagggtgat	ccaccctcct	cgccctccca	aagtgttggt	actacagggt	31260
tgagccactg	cgccctggctg	gatctaactt	tttttctctc	ttggtttact	cgctcacttt	31320
gatggattat	gttgtcttgt	gttttcccaa	gaaaagaatt	caagggaatt	gaattttttg	31380
agaactcgca	tatctggctg	tatttttgtt	ggattcttat	atttgatgga	tagttctggg	31440
ttgggatttt	agagtaggaa	ttattatctt	ctcagaattt	cgaaagtgtg	tgtgttgtct	31500
cagaacttcc	agtgttgtgg	gagagaaaat	taatggttcc	tttttttttt	tttttttttt	31560
gagacagggg	ctcattctgt	cacctaggca	tgaatacagc	tcactgcagc	cttgacctcc	31620
cgggctcaag	tgatctctct	gcctcagcca	ccaatttagt	ttggaccaca	gccatgcacc	31680
aaatgccctg	ctaaattttt	aattttttgt	ggagacaggg	tctcaccatg	ttgcccaggc	31740
tggtcctgaa	ctcctgggct	ccagcaattc	cccccgctt	ggcctcccaa	agggtgggga	31800
ttacagggtg	gagctcctgc	acctggcccc	aatgctgctt	tgatttccag	tctgttgaag	31860
gtggggggaa	ccagcctttt	gttaatgtga	gcttccagtg	tttctttgtc	ttttgtattc	31920
taaattaata	acacagtgat	gtgtcttggt	atgggtcttt	tttttttttc	tttttttttt	31980
tcatttttaa	agagactcct	gctatgttgc	acagacttgt	gaattcctgg	tttcaagtta	32040
tctttccccc	tatgtcactc	aagtaatgtg	gactacactc	atgtgacacc	atgccatctt	32100
ttatgttgtg	tatcttattt	ttgttttgtt	ttactcttga	atcagctcag	tctgaaaatc	32160
tgtcttttaa	tttcatggga	tttttttagaa	tgattcttga	gagggttttg	tcttttgaat	32220
gtgtgggtccc	ttctctggct	agaatttttt	tgtttgaatg	agacatgggt	ttgtgttgtt	32280
ccagggttga	gagcagtggt	gcaactatag	ctcactacat	tcttgaattt	ctgggctcaa	32340
gccatcttcc	catctcagct	ttcagaatat	cttggctaca	ggcatgtgac	actatgccca	32400
gataatttaa	aaaaaaaaaa	aaaatttctt	gagacagggg	cttgctatgt	tgcccagggt	32460
cgtcttgaat	tcctgttctc	agagggtcct	cctatgtttg	cttcccaaag	cattgggtatt	32520
atatgtatga	gccaccacca	ctagcacttc	tgccctagaac	tcgtaacaaa	atttctttcc	32580
cccactctgca	tagtcttgtt	tcattaaatg	attcttccct	ttttaaggtt	tagtctgtct	32640
tttattttga	tgcttcttca	aatgccttgg	gatcatttac	tgttcctcaa	atttaagagc	32700
tagaagaat	ctctctaagc					32720



<210> 12712  
 <211> 8056  
 <212> DNA  
 <213> Homo sapiens

<400> 12712  
 cccactgcc cctccccca attatccttc ccttccttc caggtctcgg aggaccccat 60  
 cctagcccta cctgtctcgg ccgcaacct cccgaagcc gtcggtgcc ctcccagccc 120  
 atgtgggccc ccgcggtctg cccacgcctg tccccagct ccccggtccg ctgggcttta 180  
 ccctcgccag ggggtggcttt ctgagccgcc cgctccgtgc ccctctctgc agcctctcct 240  
 gccactcggg gcccccgttc cccctcccgg cggcgggggg ctgcccccg ggggctggcg 300  
 gagctggggc gcggggggccc cggggccggc ggtgccgggg tcatcgggat gatgcggacg 360  
 cagtgtctgc tggggctcgc cacgttcgtg gccttcgccg ccaagctctg gagcttcttc 420  
 atttaccttc tgcggaggca gatccgcacg gtgagccagg gtgggcgctg gcggtgttgg 480  
 ggacgtcttg cgggtgttgg gacatctgtc cgtggtgctc aggggttttc ggagtgtcgg 540  
 gcctctgttt gggcctagga agggaatcct ggctggggct tttctcgcca gagaattggg 600  
 caccctaagc ggggcgaggt gggagaccct tgtaatagaa ccttgccctt gggggttttg 660  
 atggggctag atgggacagg atttggaac tcttgggggc taagggtgtg ggtggggcgc 720  
 tctttaagaa agctggagtt gttgctaaag aaaccaagag gcggggaaca cctgtttgat 780  
 gacagccgga tctgtggatg tgggcttggg aaagacccta tttggaacct cgggtgtgtg 840  
 ttggtcctat aacaaggaag agacagactt gtgtgtcaag ggtggaggtg ggtgggaggg 900  
 catacgttac aaacaaggac ggggaacttg gaaagccctg ggtgtgaagg agaaacgcct 960  
 gcggttccca ttaagagaat tctccaaaa aggctgtgaa aatttatttc atagtgtgag 1020  
 tgtaggtatc tggatttatt gaagactaaa gcagatgctt ttacgatggg cctctttaat 1080  
 tgtgggaggg agttcaaggt ggggtgctgtg cccaccattg aagtttgggt gtccctgtca 1140  
 gaggacagcg ctgggcagtt gtagggcttg aaaatgagga cgtttgcttc tccaggagag 1200  
 cctagcattc tgagggaac tgtccggatg gacccaagca tctctgggtc ccctctccct 1260  
 tagcttttct ccaaggctcag aggtccttca gctaacagca ctttaaata atgtgtctct 1320  
 gtggtctcac caccaccagg gagaatcctc ggaaggagtc tggggagaat ttagtaagcg 1380  
 gagacacagg ttctgggtct gtactgtggt ctgtaccctc tagcatacct caatacaatt 1440  
 tgaaagaata aaccacaggt ggggtgacct ggggtccaga gaatttccag aaagccctca 1500  
 gtggtagtgg tggttgattt aactgatttg ggagaatggg tctggccttg ggttcattct 1560  
 gtcccttacc agtctgcttc cacttcttga tttagggcgc gaacagtaca ggaatggtgt 1620  
 ggctgtaggc agcagcgcta tcccccgag acaagagcta ggagccaaga aaaatttagg 1680  
 gtcagagatg ctgggatatg tgtggggcta tctcctgggg ttttcttttc ttttctgaga 1740  
 cagtctcgct ttgtcgccca ggctggagtg cagtgggtgcc atctccgctc actgcaacct 1800  
 ccacttcctg ggttcaagcg attctcctgc ttcagcctct cgaatagctg ggattacagg 1860  
 cacctgccac cacacctggc taatttttgt aatttttagt gaaacgggtt ttcaccatgt 1920  
 tggccaggat ggtctcaaac tcttgacctc aagtgatctg cccgccttg cctcacaaaa 1980  
 gtactgggat tgagccactg cacccggtc ccagcggttt tctttatggg ttgactgcca 2040  
 tcttctctga cgttctcgct ccaacacatc agttttcttg gcatacggag tgggtgcttca 2100  
 gctcatccac aggttacttc caaaattgct ctcttttggg cagcactgac cccatagcct 2160  
 tttgtcctcc ctcccttcc aatctgggtt ctttccccc cccgcttctg gcagatgctt 2220  
 ggagcattcc ctacatgccc agcatatgca acccgagata gcaaggctgg aactggagc 2280  
 tctttcggac ctcatcatgg cccagggaga aaagaagggc agatcttgat tagggggaga 2340  
 gagccctgtg ggttttagaag ggagaacctg gttctggtgt ggcttggggc ctaggtatgc 2400  
 actgaagagg gttgtacct ttgaagaaaa gtgtggaaga gggaattgcc aggctttgta 2460  
 tggggagatg tgcgtattag gaaatagccc ctagagaatg cttggagaag cagagctgga 2520  
 tgaggtggtg acgtccttgt cccttattca cctctcactt aacggccctg acttcactct 2580  
 ggctctctcc agaccttgcc agtcagcctg gcaggggctt tccagtgttc tttgcctcac 2640  
 cctgggtacc agctaagga gactgtctag aggttgagg ggttaaaata ggcctggtg cttctagcca 2700  
 gctagaaggg acagaagtgg acaggtggct ggttaaaata ggcctggtg cttctagcca 2760  
 gaggaactta gctgacctga caacctctgg attccctcat tctatattcc cattaaggac 2820  
 ccagggatct cctcccgact cctactccat gtgcactagg gaatctgagg cacttagttc 2880  
 ccaatgatgg tagttgtac aaataattct tggggtaga gttgcgttgt gggggctcgt 2940  
 tctttgttca gtgtagcagg ataatatcac agttaagagg gcagcttcgg ccgggggtg 3000  
 tggctcttgc ctgtaatccc agcacttttg gaagctgagg caggtggatc atgaggtcag 3060  
 gagctcaaga ccagcctggc caatatggtg aaaccccgct tctactaaaa atacaaaaat 3120  
 tagctgggcg tggttcgcgc gcctatagtc ccagctgctt aggaggctga ggcaggagaa 3180  
 ttgcttgaac ctgggaggtg gaggttgcag tgagctgaga tcgcgccact gcactccagc 3240

ctgggcaatg	gagtgcgact	cccttctcaa	aaaaaaaaaa	aagaaaaaaa	aagagggcac	3300
gttcttggtg	tgaactgcat	tggtacaatc	ctggctctat	cacttcattg	attctacttt	3360
tttttttttt	tttttttttt	tttttgcgac	ggagtcttgc	tctgtcacca	ggctggagta	3420
cagtggtgcg	atctcggctc	actgcaacct	ctgcctcctg	ggttcaagcc	actctgctgc	3480
ctcagcctcc	cgagtagctg	gggctatggg	cacgcaccac	cacgcccagc	taatttttat	3540
attttttagta	gagacggggc	ttcaccatgt	tggccaggat	ggtctccgtc	tcttgacctt	3600
gtgatccgcc	tgccttgggc	tcccaaagtg	ctgggattac	aggcatgagc	cactgcgcct	3660
ggctgattct	actaatatca	actgaccact	tttgctactg	tgttctaggc	actgggaata	3720
cagccatgat	ctagacaaaa	tcatattctc	atggagtttt	cattttaatt	agggagagaa	3780
acaacttaag	ataattccta	gctgtgtggc	ctcagtttct	ttaaccttaa	aacagggtata	3840
acagtaatat	tatggttggt	ttgaggatta	aatgaaaaag	gccagcgtag	tggctcattc	3900
ctgtaatccc	agcacttttg	gaggcaaagg	caggaggatc	acaaggtcag	gagtttgaga	3960
ccagccaggc	caatatagtt	aaaccccgc	tctactagaa	atacaaaaat	gagccgagcg	4020
tgggtggtgca	cgcctgtagt	cccagctatt	agggaggctg	aggcaggaga	attgcttgaa	4080
cctgggaggc	ggaggttgca	gtgagccgag	atcatgccgc	tgcactccag	cctgggcaac	4140
agagcgagac	tccatctcaa	aaaaaaaaaa	aaaagaagaa	gaaataagcc	taaattacat	4200
acatagtagc	tgtggtaaat	gttcattatg	tgctccctgt	tactgttact	ggggaaggct	4260
tccttatcaa	gggtttcaat	cctcttttgt	gctattttgt	ggtaattcag	taccaaaactg	4320
ttcgatatga	tatctctccc	ttatctcctg	tgtcccgga	tcggctaggt	aagtatgtgg	4380
tgggaagcct	ccttttaggt	gaagtagggg	ctagctctgg	gtcagaggtc	ggtcaatatt	4440
attcctcccc	actctggttc	agcccagggt	aagaggaaga	tcttgggtgct	ggatctggat	4500
gagacactta	ttcactccca	ccatgatggg	gtcctgaggc	ccacagtccg	gcctggtacg	4560
cctcctgact	tcactcctcaa	ggtgtgtggt	ggtggggagt	gatgaaatgg	ttccatctgt	4620
tcctctgccc	aaacctggac	tccctttccc	agtcccagag	catctgtctc	catccgctgg	4680
caccagtgtc	agcctggagc	agggaaagc	atgggtgggg	cgttttctag	gcctgggttg	4740
tgggtggtcat	gacatccccc	agcccactct	gttcctctgt	aggtggtaat	agacaaacat	4800
cctgtccggt	tttttgtaca	taagaggccc	catgtggatt	tcttcctgga	agtgggtagt	4860
tttggagagc	taaagggagc	tctgtaatga	aggaatggtt	ttagggctct	gggaattggg	4920
aggattttgga	ggaaggggtg	aggagaaacg	ggtagagca	gttttctaga	ggggaggctg	4980
tgtaatggta	ggggagtggt	tttcagtact	tggggttcat	ttgttgtgct	gatgtaattc	5040
ttttccgctg	gcacttttct	cttttgttct	tgcatttctg	aatcataaga	gtgtaggatg	5100
cctaacactg	agtttggagg	tttgggctgg	gggttcagaa	tttcgtgtcc	tcagagacat	5160
ttgatgttga	tggaaggcct	gaaggactat	gccattgcct	ttctgaaaga	taactgtatg	5220
tctaaaggaa	tcactcacct	gtatggcatc	gccctctccc	ccaatctatt	tcagggtgagc	5280
cagtggtagc	agctgggtgg	gtttacagca	agcatggaga	tctatggctc	tgctgtggca	5340
gataaactgg	acaatagcag	aagcatttct	aagaggagat	attacagaca	ggtaagctag	5400
aatcccagtc	taagagtgtg	gcttgggagg	gaggccacca	gggagggatc	tgggtttgag	5460
gagagtatcc	tggagagagg	cctgctacat	gatcccctgc	cttcacgac	tgcactttgg	5520
agttgggcag	ctacatcaag	gacctctctg	tgggtccacag	tgacctctcc	agcattgtga	5580
tcctggataa	ctccccaggg	gcttacagga	gccatccagg	tacgggggaa	ggtgggtgag	5640
ctggcaggac	cagaacatgg	ttctgagaag	gtatttttgc	aggagacctg	ggctttgggtc	5700
cttgagagct	gggaattccct	agattatccc	tagtttgtct	taagtcgaaa	tgcaagttat	5760
ttttgtgttt	caaatagatg	accatatatg	tcattttcat	aagtcggatt	tcttatatca	5820
tttttttcat	ttttaaaatt	tatttttggc	tgggcacggt	ggattatgct	tgtaatccca	5880
gcactttggg	aggccgaggc	aggcggatca	cgaggtcaga	agttcgagac	cagcctaaca	5940
aacatggtga	aaccccatct	ctactaaaaa	tagaaaaaac	tagccaggcg	tgggtggcgca	6000
cgctgtaat	cccagcaact	cgggaggctg	aggcaggaga	atcgcttgaa	cccgggaggc	6060
ggaggttgca	gtgagccgag	attgcaccat	tgcactccag	cctgggtgac	agagcgagac	6120
gccgtctcaa	aaaaaataaa	taataaataa	ataaaaaata	aatttatatt	tatttatatt	6180
ttgagatagg	gtctcactct	gttcccaggc	tggagtgcag	tgtcatgac	atagctcact	6240
gcagcctcga	tctcccaggc	tcaagtgatc	cttctgcctc	agcctctcag	tagttgggac	6300
tacaggcggt	caccaccatg	cccagctaat	ttttttattt	tttatttttt	tttgagacag	6360
agtctcgcac	tgtcaccag	gctggaatgc	agtggcgtga	tctcggctta	ctgcaacctc	6420
cgacttccag	gttcaagcaa	ttctcctgcc	tcagcctccc	aagtagctgg	gatcacaggc	6480
acctgccacc	acgcgcagct	aattttttgt	attttttagta	gcgacggagt	ttcaccacgt	6540
tggccaggct	ggtcttgaat	tcctgacctc	gtgattcgtc	cgctttggcc	tcccaaagtg	6600
ctgggattac	aggegtgaag	cactgccctt	ggccaatttt	ttgattttta	gtagagaagg	6660
gatctcatta	tgttgcccag	gctggactca	aactcctgag	ctcaagtgat	cctcccacct	6720
cggcctctca	aagtgttggt	ataacagggt	tgagccactg	cgctggcca	agtgtgtttc	6780
aagttaggca	caatggcagt	aagcttgact	agaagcatca	ataggtatga	gatctggtga	6840
ttaaaactta	gtttcggagc	ataaaccagg	aaagttttac	ttaggttggt	gacttccggt	6900

agtgggagggc	atatatTTTT	aacaataatt	cctccttccc	tccaagaaga	gaaaaacacc	6960
gtctctcttg	aattctgttt	cttctcatct	gcattttcac	ccaccctaga	caatgccatc	7020
cccatcaaat	cctgggttcag	tgaccccgagc	gacacagccc	ttctcaacct	gctcccaatg	7080
ctggatgccc	tcaggtaagg	gaagtgggct	ctggacactt	ggatatctca	agaaaggagg	7140
aggtggggga	tcctcagagg	gaataaaaaa	ggtttgcct	gttttaactc	tgttccctta	7200
agaatttaac	atttggaacc	aggctcgtctt	acttcaaagc	tcatcacttt	agctagtagg	7260
ctgtgggcaa	attgaacctt	tctaatacatg	aatatgggtga	taatttaggt	cccacatctc	7320
cagtgatgct	gccttacaag	agtgttgtga	gggtatgaac	tataagggtac	tctaccaatg	7380
caagttattg	tcaccccgagg	ttcacccgctg	atgttcgctt	cgtgctgagc	cgaaaccttc	7440
accaacatcg	gctctggtga	cagctgctcc	ccctccacct	gagttggggg	gggggggaaa	7500
gggagggcga	gcccttggga	tgccgtctga	tgccctgtcc	aatgtgagga	ctgcctgggc	7560
agggtctgcc	cctcccaccc	ctctctgccc	tgggagccct	acactccact	tgggagctctg	7620
gatggacaca	tgggccaggg	gctctgaagc	agcctcactc	ttaacttcgt	gttcacactc	7680
catggaaacc	ccagactggg	acacaggcgg	aagcctagga	gagccgaatc	agtgtttgtg	7740
aagaggcagg	actggccaga	gtgacagaca	tacggtgatc	caggaggctc	aaagagaagc	7800
caagtcaagt	ttgttgtgat	ttgatttttt	ttaaaaaact	cttgtaaaaa	actgatctaa	7860
ttcttcactc	ctgctccaag	ggctgggctg	tgggtgggat	actgggattt	tgggccactg	7920
gattttccct	aaatttgtcc	cccccttact	ctccctctat	ttttctctcc	ttagactccc	7980
tcagacctgt	aaccagcttt	gtgtcttttt	tccttttctc	tcttttaaac	catgcattat	8040
aactttgaaa	ccaaag					8056

&lt;210&gt; 12713

&lt;211&gt; 2295

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12713

gcgcaaattc	gtggatcgct	ccgctgaatc	cgcccgcgcg	tcgcccgcgt	cgtcgcccgc	60
ccccgtcccc	gccccctgg	gttccctcag	cccagccctg	tccagcccgg	ttcccgggag	120
gatgaagttc	gtgtacaaag	aagagcatcc	gttcgagaag	cgccgctctg	agggcgagaa	180
gatccgaaag	aaatacccg	accgggtgcc	ggtgaggaca	gtagccaggg	ccgagggcgc	240
gggacgctta	cgctgacgcc	acagcctggc	cttgatctg	ggacaggcag	cgcagggatc	300
aggctgctgg	ctgtgggtggg	gttggcagcg	agcctgaaac	tgctgtccct	gggaccaggg	360
atgaaaggag	tgggttagtg	gtggatgtgg	ggttgagagg	gatgtggaca	ggagagagaa	420
accttagcat	ttgaggcctt	agagagtttg	acagcctgag	cttcaaattg	tcaccccccc	480
agctagctaa	ggttgcgaga	ttgaatcact	agtcgaccca	aacaagtcac	ctccgtctaa	540
gatagtgtgt	tatggtgacg	ccctattggg	ggatggatcc	tggatattta	aatgagctcc	600
agtcagtgag	gtcaggatct	ctgggactca	gtgctgcacc	gcgtgtacaa	agacaaagag	660
atgaatctgg	ggtagattta	ggtgctagga	atattgtttc	ttgagttctt	gacaggtgca	720
gcttcggggc	tgcattccct	ctgtctccta	attttcatct	ctttatcagg	tgatagtaga	780
aaaggctccc	aaagctcggg	taggaagact	ggacaaaaag	aaataacctg	tgcctttctga	840
tctcacagg	gggaacctga	tccaagactc	aggcttgctt	cctgtgggtg	ggagtgcatg	900
ctctgcggga	ggaggctcca	cctagcagct	gttcttttga	gggcattttt	gacctctgtg	960
actttcttgc	atcttgtatc	ttttgcagtt	ggtcagttct	acttcttgat	ccggaagcga	1020
attcatctcc	gagctgagga	tgccttgttt	ttctttgtca	acaatgtcat	tccaccacc	1080
agtgccacaa	tgggtcagct	gtaccaggta	tggtgactgg	gaagtgggtg	aggctttgga	1140
gaggaatctt	ggaagagcgt	gaggggaaga	aagtgttggt	acatcagtag	ttttggacta	1200
gcttccttgc	ttgccttaaa	gtttcataat	agccgtgggt	tgggggtttg	gacagaacag	1260
taggagtaga	gagaaggaaa	gagaacagt	agctagagaa	actatctgtt	cgggactctt	1320
cccagtcctc	ctccccattc	caaagcagca	gaaaacagtt	tgaggccttt	ttgccaggga	1380
ctgcagagat	tatactgctc	gtgtggtagg	ccttggaagc	agtgaaggag	tcaggcaatg	1440
gtttgtgggt	ctagaagaac	gtgtctgggt	cgtggttggt	ttaagttact	ggagcccagt	1500
tgctgaacag	ttttctgctt	tcaccccgagg	aacaccatga	agaagacttc	tttctctaca	1560
ttgcctacag	tgacgaaagt	gtctacggtc	tgtgaagctg	ctgccctga	gctggagggg	1620
ggtctcattc	tacaaagaga	gaggtggccc	ccctttcttg	acctcctcct	ccttcaagct	1680
caaacaccac	ctcccttatt	caggaccggc	acttcttaat	gtttgtggct	ttctctccag	1740
cctctcttag	gaggggtaat	ggtggagttg	gcattcttga	actctccttt	ctcctttctt	1800
cccctttctc	tggccgcctt	tcccatcctg	ctgtagactt	cttgattgtc	agtctgtgtc	1860
acatccagtg	attgttttgg	ttctgtttcc	ctttctgact	gccaaggggg	ctcagaacct	1920
cagcaatccc	ttcctttcac	taccttcttt	tttgggggta	gttggaaggg	actgaaattg	1980

tggggggaag	gtaggaggca	catcaataaa	gaggaaacca	ccaagctgaa	ctgaattttg	2040
ccttggtgtg	ctccccctgt	cccgtgtgatt	ttaagtcttt	ccaaggtgtc	agtgggtttc	2100
agtgggtggg	aaagaagagt	actgggtaca	agctggaggg	atagaagtat	attttggttt	2160
attctgttca	tggtgggctt	ttccctgtct	gcaaaaagag	ggtgcttttg	ttgtgatgga	2220
atggaatact	gaggattatt	tcttgaaact	ttagttttat	aacacgcatg	tgaaactaaa	2280
tgtaaaaaat	gctca					2295

<210> 12714  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 12714						
gtccttttga	cggtaaaatg	gcgcctgtca	gagtgggaaa	cccagctgca	gaggctgcag	60
ccccggtccc	cagcggctaa	aggacccccg	agctcgggga	gggggaggcc	gctccggccc	120
agcgtctctg	gccctccggc	tccccctccc	cctccttccc	tgctccttcg	ctctgcaggc	180
ccgttctccg	ctgcgcgggc	cctttgcgcg	ccgctgcccc	cgccctcccc	gttctctgca	240
gcagccccct	agcgcgcctg	cgcagcgggc	cactctctgc	tttccc		286

<210> 12715  
 <211> 5888  
 <212> DNA  
 <213> Homo sapiens

<400> 12715						
gcatgtcagg	gatgatccgt	ctctacgctg	ctatcatcca	gctccggtgg	ccatatggaa	60
accgacagga	ggtaggtaaa	agaggcttac	tgtcaataat	gagaggttag	accacagtcc	120
atgtgtattc	ctcccacagg	aaatggtggc	cttctttcag	agagccagtc	tagttaaagg	180
ataaactata	tggcagtttc	atgggtatta	tgtagaggac	tgaatgttga	ttattaggga	240
actttcttgg	atcacctggt	actttaaaga	gctggttttg	taacagagtc	taccagagga	300
gagtcgtgta	taaatacagt	attaaggtta	gaagattttc	ttacaagagg	aatgagcaag	360
aaattgtcat	cttagaacta	gttgagacct	tagaagccat	ctagatcaca	taccttactt	420
cacagatgga	cagaacaagc	tcagaaaagc	gcagctgggg	ttcagggtct	tgacttgcca	480
gcccatttaa	tttctcaggg	aatacagatt	agaaggacag	agaaattaat	agttacggag	540
acctaagag	aaaaaataga	agttgattaa	atccaagttt	ttattgtatg	cctgctgtgt	600
cccaggttct	gtgctaaagg	taccaagaat	aataaataaa	atgtcaataa	ggctaattgt	660
taccctatgg	aatgcctgaa	actgaagctg	acacatgcat	attgaaggga	gcctataaag	720
aatgtgtggg	aaccaatgta	ttgaaacatt	aaaaaataga	aggcgaggta	gcttcaggcc	780
tgatatccca	gcactttggg	aggctgaggt	gggtggatca	cctaagggtca	ggagttcaag	840
accagcctgg	ccaacatggt	gaaacccccg	ctctactaaa	aatacaaaaa	ttagctgggc	900
atggtggtgg	gcacctgtga	ttccagctac	ttgggaggct	gaggcacgag	aatcgcttta	960
accaggagg	cagaggtggc	aatgagccga	gatcacgcca	ttgcactcca	gcctgggcaa	1020
caagagcaaa	actctccctc	aaaaaaaaaa	aaaaaaaaaa	aaaaagaatg	tgtgggaacc	1080
aatgtactga	aacattttaa	tacagaaggc	tgggcgaggt	agattcatgc	ctgtaatccc	1140
agccctttag	gaagccgaga	cagggtgggtc	atttgactcc	aggagtttga	gaccagcctg	1200
ggcaacaagg	tgaaccatg	tctctaaata	aaatacaaaa	aaattagctg	agcacggtgg	1260
catgtgcatg	cctgtagtcc	cagctacttg	ggagactgaa	gtggaagaat	cacttgagcc	1320
caggagggtga	aggctgcagt	gatccatgat	cgcactatag	cactccaacc	tggaacaaca	1380
agtgagagcc	tgtctcaaaa	aaataaaaaga	aaaacagaat	ttgttttagt	tgtgttattt	1440
ctgccctgtg	gcagggtgta	gggctggatg	atctgggggt	catttccact	tggtaatggc	1500
tggatgatac	actgggagtt	tagattttcta	aacaaaatga	gatcaatgat	aaccaagctt	1560
ctctactccc	agattcaccc	tcatggctta	aatcatggat	ggcgctgggt	ggcacagatc	1620
ttaaacatgg	agcccttgct	agatgtgaca	gccaccctcc	tctttgactt	cctggaggta	1680
cgtaactcag	ttatcacaca	agagaaggcc	agtgggttag	gtagccttga	tccactgggt	1740
gacatgaatg	gggaaacagc	atagcatattg	ggcctgatag	taaaacagca	tgaggttcca	1800
gtgtcataca	tttttcccaa	gctgtagacc	aaccttgctt	tcactttttac	tccatactat	1860
atttacttgg	cttctctgga	tttttttcat	tataaagaac	agaaaattgt	acattcttagc	1920
aaaagtga	agaggaattt	gttttaggga	tatagaaggg	actcccaggc	cgggtgcggt	1980
ggatcacacc	tgtaatccca	gcactttggg	aggccaagggt	gggcggatga	catgggggtca	2040

ggagttcgag	cccagctggt	cagtatat	aaaccctgtc	tgtactaaaa	atacaataa	2100
aggccgggca	cgggtggctca	cgcctgtaat	cccagcactt	tgggaggccg	aggtggttgg	2160
attacctgaa	gtcatgagtt	caagacgagc	ctgtccaaca	tgggtgaaacc	ccgtctctac	2220
taaaaataaa	aaatcagccg	ggtgtgatgg	tgcacacctg	tcatcccagc	taccgaggag	2280
gctgaggcag	gagaatcgct	tgaacaggat	ctcactctgt	cagccagggt	ggagtgcatt	2340
agtgtgatca	tagctcactg	tagcctcaaa	ctcttgggct	caagcgatcc	taccacctaa	2400
ccctggcaaa	gtgttgagat	tacaggagtg	agccattgca	ctcagccaag	aagacacttc	2460
ttatagaaga	aagccttggg	gtacatgcca	taacaaatct	ggaaccattt	gatctatagt	2520
gccaatagtt	cctagttagc	ttaatagctc	ctgacgtcag	ccagggtgcag	tggctgacag	2580
cctttgggag	gccaaaggcag	gcggtactct	tgagctctgg	agttcaagac	cagccagggc	2640
aatatggtga	aaccctatat	ctaccaaaaa	aatacaaaaa	ttagtgggtg	gtgcctgtgg	2700
tcccagttac	tgaggaggct	gagggttggag	gatcacctga	gcccaggggag	gttgaggcta	2760
cagtgagctg	tgatcatgcc	agtgtcctct	agcctggggc	acagagtggg	accctatttc	2820
aaaaaaaaat	aaaaagctcc	tgaagtcacc	atacatgaac	aatgatcctg	tatcatttga	2880
gaacacaagt	ggtattctgt	atactctcct	tactaagttt	gggagggtata	ccataccttt	2940
aggaaggcgt	ccattcatta	gaggaaaaga	agagttagttc	attaagacct	gattgggtta	3000
atggagatat	tgccatataa	agagaaatgc	tttagaagaa	agttgggtgt	ttccatttat	3060
tcccttggtta	gcaagttcag	tggcattgtg	gttgaaatct	ttgatagggtg	tgaagatga	3120
agggtctgatt	gtgctttatg	aatctgtcct	gtgagtgtga	attttcattt	tctgctctga	3180
cagtgcctgt	ctttccctct	aggtgtgtgg	gaatgccctc	atgaagcaat	accaggttca	3240
gttctggaag	atgctaattc	tcatcaaaga	ggactacttt	cccagggtatc	aggcttgttg	3300
agcagacagc	aggggattaa	gtaactcata	accaggcctc	agatacccaa	gggtgctatt	3360
acctgctggt	tttgattcaa	gttaaaaaa	cctgtactaa	gtatgacatc	tttctacttc	3420
cagtccctct	cgttgatatt	tgaataaatg	cttttgaacc	ttaatgagag	tctgtcttaa	3480
atatcattgc	ccaaacaaaa	acacaaatta	ggggctgagc	acagtggctt	atgcctataa	3540
ttatgcctat	aattgcagct	ctttgggagg	ccacaggagg	aggatcactt	gagcccaggt	3600
gttcaaaaac	agcctgggca	atatagcaag	accccatctc	tacaaaaaaa	aaattagcca	3660
ggcatgatgg	catgcactta	tagtcccagc	tactagggaa	gctgagacag	gaggatcgct	3720
tgagcccaag	agttcaaggc	ctcggtgagc	tatgatcgca	ccaccgcgct	gcactccagc	3780
ctaggtgaca	gagtgagaca	ccgtttccaa	aagatagggtg	tatatcatag	gtgtgattca	3840
tgtgtctttc	tctccctgta	gaattgaagc	tatcacaaagc	tcaggacaga	tgggctcctt	3900
catacgctc	aagcagttct	tggagggtaa	atgcccttag	accaacatgc	cccacactgt	3960
tgttgggctg	gaatgcacct	atgtctgaca	agtcttggac	cttccgatgc	tctgattgca	4020
ctctcttctt	tagttcttcc	aaacccttct	ttttgttctt	aattccctct	taacctttgg	4080
agtaagggtc	gccatttctt	cttctttata	tgtatcattc	tctatactgc	ctgtgagaaa	4140
gctatgctga	gatgagtaaa	atatatttag	tgtatctcct	ctcattaata	tatatTTTTT	4200
ttgcatggtt	gccaaaggta	ttttcttagt	ctcagggtctg	gggaattgggt	aagtgtcatc	4260
acttttctcc	atgagatcaa	actgcacttt	cagttggact	cttcccctac	ttccaagtgc	4320
caagagattg	taaaagggtta	atTTTgacaa	agaatttaga	acactatagt	gggtttgcca	4380
agatagcctg	ctgacttttc	agcttctcaa	agctcgattg	tgaaaatagt	gattgtgaaa	4440
gatgagggtta	gcctgtaggg	agacaagagt	gggacaggaa	taataagagc	atttcatttg	4500
ttgtctggag	cagatcatgc	agaagtggac	atcttataca	gaaccatcag	tcttactggc	4560
tttttccctt	ttgttccactg	ttccataggg	ctgaaatatg	gtgttcctca	aagcttcttt	4620
taaccattaa	gtgttgggaa	cactgttatc	agaaactcat	tctgttttct	tcatctttcc	4680
ctgaccagaa	atgtttgcaa	cacaaggaca	ttcctgtccc	caagggtctt	ctgacttctt	4740
ccttctggcg	ctcctgatgt	cactccatca	cccaccatca	ccgctgctgc	aaagaggcaa	4800
taataaagga	actgaagaca	gctgtatttg	ggagaagtca	tgtcagattc	agaaatttgc	4860
cattatgtat	ttttatgtat	ttatgccttg	tgactaggag	aggagatttt	catgggtcac	4920
aaaattcttg	gaggtccctt	agtagatttg	gtagttcctt	aagagatcca	cgtgataaaa	4980
taaatggagt	tggcctttct	tgttttttgc	aaaagtgata	aaagggtctt	agcacttgggt	5040
ctctccctt	gtctctagtg	tctttcagaa	agttggcaat	accttaacaa	atgcactctg	5100
agctggaggg	agcccaccat	ttgcaccac	ctaccacc	tcaccctgt	tcagatgaat	5160
ttccagaaag	agctaaggct	cataaggctt	ccttttaagt	attatttaat	agttgaggcc	5220
agatacttac	atgcaagtct	gggttatggt	tgttttgcct	ttctcagctt	gtgaagtcac	5280
tctaaagcta	gaggaagtat	gtgatataca	catggactaa	ggctcagggtg	acactatggc	5340
tagattaaca	tctgggatta	ggactggaaa	cacatgtcat	tttgaactaa	gggaaactct	5400
ttgtcatcct	aatttggaat	ttgggtccctg	gatggctagg	gatccatgaa	ccaggcaggt	5460
accttttttg	tttttgtttt	gttttgtttc	ttttctgttt	gaattaagat	gggctaagat	5520
ggggcttgca	acattaaaca	tgagctgagc	atccataagc	attgaattgg	gattaaataa	5580
agatgttggg	caggaactga	acactgctaa	tatgatgata	aatatgcctg	actaaagcca	5640
ctacagaaat	ccagagattg	gctgttaaaa	tttgttttgt	ggaaagacta	attctctttg	5700

atactgcaga	ggcagtgccc	atggatctgt	tctctgtgc	taaatgtctt	gtggcagggg	5760
gtgtttgtgg	gggagtgttc	actgggtactc	ttgagtggcc	tgaagtgacc	cattctatga	5820
attgttaatt	aagggtgcaa	aaaaaattaa	taataaagct	tggttttttg	aaaaacccat	5880
tgctgata						5888

<210> 12716  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 12716						
tcaaaaaaaaa	aaaaaatttt	tttttaaaatt	tttcaggcat	ggtggcacat	gtctgtagtc	60
ccagctactc	aggaggctaa	ggtgggcaga	tcacttgagc	ttgggaggtc	gaggctgcag	120
cgagctgtga	tcattgccact	gcactccagc	ctgggtgaca	gagcaagacc	ctgtctcaaa	180
aaaataaata	aataaataag	gtagacacaa	tggaatgaac	actggggacg	gagtcaggag	240
accccggtc	aaatcacttt	taggtttttt	ggccttggga	aggtccttca	cccgtctga	300
acctcagtat	ccccacctgt	aaaacaaaaag	aactggacat	gtca		344

<210> 12717  
 <211> 16083  
 <212> DNA  
 <213> Homo sapiens

<400> 12717						
taattccaga	gataaagtgt	ccacaacagt	tagggaaatg	atgctagagt	aagtaaaaaac	60
aaaggtaata	atattatagcc	tttaataaaa	atcactggga	agggcaaaca	tttcttactg	120
tgcccatcac	ctctaaaact	tatgctaaag	gttaatgaaa	atgtatttgt	gactgaagtt	180
tggtatccat	cccttttttt	ccccaaaggca	ctttaaaaaat	cagcaggaca	accctgagggc	240
aaactggaag	gtaaaatata	cttttatattt	acatcttatt	ttctgttgat	ttagttgttt	300
tcactttcta	ctgagtcagt	ttaatgccga	cctataacta	ctttgtcatc	aagactcttg	360
ggtattcccc	tggaataata	ggcttcaaac	ataaaaaattg	gaatacttac	tttcgaagtt	420
agtaagggca	ccctttctga	actttattaa	gaaaaataa	aactcataat	ttgattatat	480
tatggctgtt	tgtggactgg	ttaacattat	aaacaattct	ttaatatggt	gtgcatttct	540
agcttcaaga	ttattaagtg	acttgactgt	ggttctttct	ctattttaaag	ttgcctgaag	600
attttgctgt	ggtgttttga	gaagcagagg	gtgaacttgc	tggtggagga	gtcttcttga	660
ggatctttat	tgcacaacca	gcctgggttc	taagaaagcc	tagagaattt	cttattgccc	720
tgtagaaaa	attaactgag	ctcctagaga	agaacaatcc	tcagtgaagc	ttcagtcaaa	780
agcaaaacat	ttcaaagact	tggctaacta	gactgatggt	gtttctctta	caaccttatt	840
cacaaagacc	atgaattagg	aattggccag	ctctttcaat	atagcagcca	catttaaatt	900
cacatatgcc	cctcgatcat	ttttttgcca	tgttcaaaaag	tgaagctctt	tagtatgttt	960
atgaaccaa	gttatagaga	tatctatat	gagaggatgc	tatttctaac	agttacagaa	1020
gcctgaaaag	aaggttttta	ctgtccatct	ctaagtata	tgtaatttta	aggagaaacc	1080
tgtgtgttcg	gtgttctct	gagagtgtgt	tctgtttggg	catgtgctgc	actctacttt	1140
gtgtatatgg	cagggataac	cctagtcaaa	gaaattgaca	gaagagtagt	aactatgtgg	1200
ttgaatcctg	tatctgtggc	tgaggctgcc	aggaaagcag	gagtgagtga	aaaggtaact	1260
ttggtcttgg	gtttggcaag	ccaaataaccg	tgatagtata	taagattttg	tttttcaaag	1320
tctttttttt	tttcagaagg	tttaagattt	tgttgagatt	gaagacagtt	gacctacatg	1380
attgttgttt	aaacaggctg	gctacagaat	aagggtgatta	agagcctgag	tggtgttatt	1440
tgatggttcc	agccatacca	ctgaccaggt	ctgtgacctt	gggcagtacc	tcagtactct	1500
gcctcagttg	ctgcatttat	agaatagtca	tagcagctgc	ctctgaggca	gaggttctga	1560
tgagttaata	catatataga	atgcttaaca	taatgtctgg	cacatttcaa	gtgcttagaa	1620
attagttact	atcattagct	tagtaaaaaca	tattttttaa	acatgattag	cttgctgagt	1680
atttaccagt	gctactttcc	atagtcatat	tcctccaata	ggatttctac	tacatacata	1740
gtttgcttgg	aaaatgcagt	cctcaaaaagc	taaaacttag	ggaaagcaca	tagcagtttc	1800
ctcctatatc	acctttcttt	ttggacacat	tccaatttta	atgttaattt	aagatgcatt	1860
ttattatgtt	tctggatgtg	tgcacttagt	ggtataagct	gaaggtcttt	ccaatccggt	1920
atccacaata	gaaagtgtct	tgtgggagcc	agacatgtta	aatagtagga	tttttaatga	1980
aactgggaaa	aacatttcac	tagttctgca	ttcttctgga	ttattgttct	gacactaaca	2040
tacctgcaac	atggtctaaa	aatttctagt	aatatcattt	gggacatgat	ctcttaaacc	2100

tgcaatagag	gctgggcgcg	gtggctcagc	cctgtaatac	cagcactttg	ggaggccaag	2160
gcgggcggat	cacctgaggt	caggagttcg	agaccagcct	caacatggag	aaaccccgtc	2220
tctactaaaa	aaaatacaaaa	attagccagg	cgtgggtggtg	catgcctgta	atcccagcta	2280
cttgggaggg	tgaggcagga	gaattgcttg	aacctgggag	gcagaggttg	tggtgagccg	2340
agatcgcgcc	attgcactcc	agcctgggca	acaagagcga	aactccgtct	caaaaaaac	2400
ctgcaataga	aattgggtat	acctaaccga	gtaaaatcct	gcttagatta	aaatagcata	2460
ttcttaaagt	ccttttagatt	catgcctttt	atgaaagaaa	atgggaagtt	cgttgttctc	2520
ttaggattag	tgaatctggt	ttcaagtatc	agcacttaga	acttttgaat	ccctagtttt	2580
gaacaccaa	tacattacct	tggatattta	gggctgtatg	agtattttat	agttgattta	2640
tttttgtttt	acacctgcag	ggagaaactc	tggaaacctt	gacaatggca	acagtgtgtc	2700
tcttcagcgc	acaacctcag	ctggcagatc	aggccccgcc	attgggcat	cttcccaaag	2760
ttatccaggc	aatgaatcat	aggaaccaatg	ccattcctaa	gagtgccatt	cgggttatcc	2820
atgccttgtc	tgaaaatgag	gtattgatga	atacacttag	tagtttataa	gctccagaat	2880
ttatctatgc	tcccttcttg	acggatataa	gtttagtat	tatataaatc	ccctttctgc	2940
catgtgtctt	tttgcatacg	aaccacatgg	tattttatta	gttctgggtt	tatcaaaact	3000
ggtattttatc	aaatcagttt	tgataaatac	cagtttaggt	gatataatta	atagattaaa	3060
tttgggtcaa	ttcattgtta	aactgaaagt	aagggaattct	ttttttactt	atttacttat	3120
tttgttatgg	tattttactat	gttatataaa	tattgccagt	ctacaagtaa	ccttctcttt	3180
tgggcactta	gctgtgtggt	cgagccatgg	catctttaga	gaccattggc	ccactgatga	3240
atggaatgaa	aaagcgagca	gatactgttg	gtctagcctg	tgaagcaatt	aatcgaatgt	3300
ttcagaagga	gcagagtga	ttagtagcac	aagtaagtga	ctttctagat	ttagcactat	3360
tttaggaaa	caaacatacc	aagtagattt	ttacctattt	ggtactgatt	tggtttcctt	3420
gacttaaggt	tggtgagagt	taacttgtga	gttttgtgat	aaacaatttt	atattttata	3480
tatacaaaaca	catacagtag	tgtgtataat	acgtgtgtat	atgtgtatgt	atatatacat	3540
ggatgtttgt	gtatatatac	acacacacaa	aaatggggcc	agctgccaac	agtcttacca	3600
acttgagagt	acttttatgg	tgtataaaat	ttacattttg	gctatccatt	gtgcaattag	3660
cttagtagct	tgttttagctt	gatttgtaaa	atgtgcttca	tcctctttgg	aaaaattcat	3720
tcgtttattt	attcctttgt	ttcttaagtc	atgtttaaga	aacatgccaa	gatactgcct	3780
ttttcaaaga	gactatccac	ctaataaaaa	ctggacttgg	tggatatcca	tgtagacaga	3840
tgttgatgga	acaaaaaaga	tgcaataaat	ttaaaaactt	acaaaagcga	tctttctaaa	3900
atgtaactca	aagaacaaat	accacatgat	ctgacttgta	agtggagctc	aaaacaatca	3960
aacttatgaa	gcagagagta	gaatagtgat	tactagaggc	tgggggttggg	gagaatggga	4020
aaatgctggt	caaaaagtag	agtttctggt	aggaagaata	aggcttttaa	gatctattgt	4080
gcattatggt	gactatagct	aataatacat	tgatatattc	aaaattggta	agagtaaatt	4140
ttaaatgttt	ccacaaaaaa	ataagtattt	gtaatggtag	atatgcta	tagcttgatt	4200
tattctgcat	tgtatgcatg	tgtcataaca	tcactttatt	tcccataaat	acatacaata	4260
aaaaataata	aagtatttta	atagaattct	gaaatataac	tgagccattc	ttcatcttaa	4320
aaaccattca	gtggtttctc	attacctgcc	agatgactaa	gtgacatctg	gtatccttag	4380
ccagaatata	aggccctgca	tctttattat	ctgggcttcc	ccttctccca	gcccctcagc	4440
cttaccact	ggaccctcat	tgaggcaagt	agagctgttg	ggtacatctc	aaggagatac	4500
tggatgctct	aaggttcaga	cttatgattg	gcttgaggag	tttgatgtgt	aggaaagaac	4560
atgagctggt	actaccactt	gttggctctc	tgacctcaga	catgatattt	aaccttaaaa	4620
tgctcagatt	tctcatctgt	aaaataaggt	tgtgactatc	tcacaaggtt	gttatgagaa	4680
cagtacctga	aaaaagaggt	gcattcacta	aatgtctttt	atttcttctc	attccctctg	4740
agtttcaaaa	tggatagtga	aaattgtgac	attagattat	tattcagctt	ttattagget	4800
gatatgaaat	gtacgatgac	cacaaagatt	gatgtttgaa	gaaaatatga	aaaaatacta	4860
atgtatttca	gagattgttg	cctattaata	cagtgttact	agggcaggca	gcccagata	4920
ggggctaata	gctcaggttc	tatgttttct	ggctccagat	acatatatta	atactgcca	4980
gctctgtgat	tatgaacata	ctgttttacc	ctctgtgcat	taattgaata	aaataattga	5040
tgtatagcat	ttagaatggt	taatggacag	aataaaatct	cattaataaa	aaatgtcatt	5100
agatacttaa	gcctgtgtat	ggcattaaaa	tacggtgcaa	caggctgcct	tccaggtagg	5160
tcctgggggt	aaaattattt	cttcagtggg	tgatttgc	ttttctgtg	tgtttatata	5220
tgttaatat	ttcttctagg	ccctgaaagc	agatttgggt	ccatacctct	taaaattact	5280
cgaaggcatt	ggccttgaaa	acctggacag	cccagcagcc	actaaggctc	agattgttaa	5340
agctctcaag	gcaatgactc	gaagtttgca	gtatggagaa	cagggtgagtc	tgcataagag	5400
caacttttga	tattctaaaa	gccagggtct	tggccatgga	tgggtccacgt	acctgtgttc	5460
aagttccact	tacagatatg	gttctgttgg	ttgtaactgg	agaagatcca	gagcccaagg	5520
atggacttgc	atacctgcct	cataactgat	gaaaaagcat	aaacatata	ctcaatatct	5580
aggagaattc	ttctgtagat	tgatggcatg	ttgtacattt	caggaagaaa	aatgctggaa	5640
atcttttagca	tggaaatagc	agcatttagt	gctgtcttaag	attaactttc	agctctagga	5700
gttattcatg	ggtagtgata	accaaattca	ttaacatcc	cataatgcta	ttttaaaaga	5760

tgtagaacat	catttttgtt	ttcatttcc	ttcttgtctg	tgcttaaaaa	gtgttggtt	5820
ttttttttct	ttggctgtga	ctttgtttt	cctatgtgtg	ttaatgtatt	tcagctgcac	5880
gtatttgctg	acttcaggcc	tggttcagtaa	tttaattttc	ctcattgggt	ttatttttat	5940
tatttctct	aaggagttcc	tcattcagtg	tactatatag	ccccatctac	taatgctcat	6000
tttttttttaa	ttgacgtgaa	atttacatag	cataaaaatta	accattttat	ggtgaatagt	6060
taagtggcat	ttaggacatt	aacagtgttg	tacaaacacc	accgtatcta	gttccaaaac	6120
attttcatca	cctctgtacc	cattcagcag	ctactctccc	tttcttccct	cccccaacct	6180
ttggcaccca	ccaatctgtt	ttctgtctct	ggatttacct	cttctgcgta	tttcatataa	6240
atataatcat	acatatgtga	ccctttgtgt	ctatcttgct	atttagcatg	tttttaagca	6300
tcattccatgt	taccaatgct	tcatttttat	gtctaaatat	gtcattgtac	gtaaatgctc	6360
caatttggtt	atccattcat	ctattgatgg	acatttggtg	tatttcccct	actaatgttc	6420
cataggtttt	aattgacttc	agctacagct	tcccggtaat	gaatttactg	gatttgtatg	6480
tttcaagtaa	agaaacattt	ttcataccat	tgctattcta	tcaatatgat	cattttaaag	6540
atttaaaatg	atattaggct	ggggcggtg	gctcacgcct	gtaatcccag	cactttggga	6600
ggccgaggcg	ggtggatcac	gaggtcagga	gatcaagacc	atcttggcta	acacggtgaa	6660
accccgcttc	tactaaaaat	acaaaaaatt	agccaggcgt	ggtggcaggc	gcctgtagtc	6720
ccatctactc	gggaggctga	ggcaggagaa	tggcgggaac	ccaggaggcg	gagcttgacg	6780
taagccgaga	tagcgccact	gcagtcacag	ctgggtgaaa	gagcgagact	ctgtctcaaa	6840
aaaaaaaaaa	aaaagagata	ttaaagaaga	gaggcagcac	ttctgcagat	attaaagaag	6900
agactgcagt	attgctgcag	tcattaactg	atgtgttttt	agaagtattt	tcttgggttt	6960
tgcttatgag	tggtctaaat	gccaaagaaa	ggctctcctg	cgtaccactt	gcagcagttg	7020
tcttgtcttt	gacttgccct	aggatttctg	gtaatgaaat	tagcaaagta	atcctgacac	7080
ccacttccct	cacccaaggg	aggggaggaa	agaggtatag	tagtttctaa	ataggaactc	7140
ccctaccagc	tttacaacta	atcatttcca	ctactgtctc	tttcccgggt	tggagcaggt	7200
gccccctcc	cttggaactc	catgggtccc	ttgtataacc	ctactttaat	tcttaccaca	7260
aaattatttg	acgctgtctt	ccctactaga	ttgtaagcac	ttcagagaca	gtctgtcttt	7320
ctcatctttg	tggtcactgt	gcctaccaca	taagaggtgc	tcagtaaata	ctagatatga	7380
acattgatgt	gcaaaagcta	ttcactaagg	tggtatttcc	taaagtgttt	gtcacacaga	7440
aatgtctttc	atcttagttt	agtgcataat	cccacacatg	tattatttat	actcatatat	7500
gtgtatgtat	ttcaagtata	tacaagtcct	cattttactt	ctgatactct	gatgtcttct	7560
atattgacca	attttggttt	ttcaacaaca	ctcctgattg	tttcataaac	ctcttttaggt	7620
cacagctcat	aatttgaaac	actgctttaa	gttttagctc	aatttggctg	taccttctcc	7680
ccaaactcct	tcctcaggaa	tagctcatca	gcccatacac	tgtcagccat	ctgttactgt	7740
cacaagaaaa	tactctgcat	aggatatctc	ctccttgaat	tacatataag	tcggtaattg	7800
taggttcaaa	taatagagtc	cagcttcaga	gggacgactg	acttgaggac	ttctttgggt	7860
ctgccttaat	gagatgtgtc	tggtcatagt	cctgtctatg	agtgtttgat	gaatgctagt	7920
tcttgtctca	tatttggtgt	tttctcact	ggccttcttc	cttgttgctt	tggaagttgg	7980
tttttctttt	tgtcttccaa	catccagtc	ttgattttat	gttcaaagg	cttgtttttac	8040
tttcttaggt	gaatgaaatc	ctgtgccgtt	cttcagtcct	gagtgccttc	aaagatcaga	8100
aacatgattt	gttcatattt	gagtcacaaa	cagcaggata	cctcacaggt	aagccatacc	8160
taatttggtta	ttgtaagaca	cctggcagaa	gccacttgga	ccttcttttt	gccctaaata	8220
gacttaaaat	tggtgttcaga	gtgttttcta	ggctaccagc	tgacctttct	tggaggtgct	8280
atgagcatgt	agtagacata	tggtcttagc	tttatatagc	atgcaaactg	ttgttgtgtt	8340
gaatgggtac	tgactaaagc	atgtattttg	ttcagttttg	atccagttaa	ttgggtcata	8400
gaatatattt	ggagcatgtc	tgtattaaag	tatttatctt	gtaaagagaa	ggaataaata	8460
tctgctgagg	aatatcagtg	tcagaaacat	gattcatcat	tccatatctg	tcagaataac	8520
agattaaaa	tccaaatatg	tataattgta	tgtaaaagat	attcttggct	gggcgcggtg	8580
gctcacgcct	ataatcccag	cactttggga	agctgaggcg	ggtgaatcac	gaggtcagga	8640
gatcgagacc	atcctgtcta	acacagtga	acccatctc	tactaaaaat	acaaaaaatt	8700
agccaggcgt	ggtggcgggc	acctgtagtc	ccactctctc	gggaggctga	ggcaggagaa	8760
tggtgggaac	ccgggaggca	gagcatgcag	tgagccaaga	ttgcgccact	gcactccagc	8820
ctgggcgaca	gagcaagact	ctgcctcaaa	aaaaaaaaaa	agatattctc	ctaagtttcc	8880
agtgatttgt	ttatgggttt	gctaaatatt	tagggtgtgt	cgttttatgg	gggtggaata	8940
cataggtatc	atgaatgaaa	ggatgtttta	ctgctttggg	ttcaaaagat	actatgttta	9000
aaactcagaa	catttgacac	actaattgca	taattttaga	atagtcattt	tcataatagg	9060
ttcaacataa	gtcagactct	tgctgaatgc	taaagaggca	atatctagtc	tgctataaaa	9120
gttcttaatt	tgaatttaac	cttaggaata	tgaggcggtt	cttgtctgtc	gcctgaaatt	9180
gtagtatata	aaaagatgtc	agccctgcat	tctctcttaa	ccaaagatga	taaactaaga	9240
gaaaaaatta	tcaccagggg	tttctaagcc	attgtaattg	ttttaatctt	gattgtagt	9300
atagaagttt	ataagatcat	gaagacttta	tcttgaatat	tcaaaattag	aggctttgga	9360
ggaaatttta	cctgggtttta	attttaact	tggtgtgaca	cttttttttc	ttcaccataa	9420



ccactttaat	attgacactc	ctaaagtgtg	agcagagtcc	taaaatttat	aaacatgcag	9480
tgctttggct	gcaggtcatg	tctgtttcag	aacagtgtca	taggttttta	ttttaacttt	9540
tccatccctt	gtccctcata	tctatggaga	aaaataccta	gactgtgttc	tcagtctgtc	9600
ccatatctct	cttcagattt	ggtgttaaaa	ttatagcttc	taagtaggag	tttgttctta	9660
taggcagtat	aaaaacttta	cctcttttag	ctatgtccaa	aagttcacat	accacgtttt	9720
catggcatta	cattcattac	tttttgtata	aggatgggat	gattgaaaaa	aaaatctgcc	9780
ttatttttat	tttattattt	atttttttga	gacagtcttg	ctctctcacc	caggctggag	9840
tgcagtgggt	cgacctcagc	tcactgcaac	ctctgtctcc	tggattcaag	tgattctcct	9900
gcctcagctt	cccaagtagc	tggcattata	ggcttgacc	accacaccca	gctaattttt	9960
gtaattatta	ttattattat	tattatttta	gtagagacgg	aatttttgcca	tgtagctat	10020
gctgggtctca	aactcctgac	ctcaggtgat	ccacccacct	cggcctccca	aagtgtggg	10080
attacaggcg	tgagacacca	cacctggctt	tttttttttt	ttttgcgacg	gagtctggct	10140
ctgtcaccca	ggctggagtg	caatgggtgca	atcttggtct	actgcaacct	ctgcctccca	10200
ggttcaagcc	attctcctgc	ctcagcttcc	caagtacttg	ggatgatagg	catgtaccac	10260
catgcccagc	taatttttgt	attttttagta	gaggctgggtc	tcaaactcct	gacttcaggt	10320
gatctgcccc	cttcggcttc	ccaaagcatt	gggattacag	gcgtgagcca	gcatgcccgc	10380
cctctttttt	tttttttttt	tttttgagaca	gagtcttggg	ctgttgcccc	ggctggagta	10440
ctacagcatg	agctcagctc	accgcaacct	ttgcctcccg	ggttcaaacg	attctcctgc	10500
cttagcctca	caagtagctg	agattacagg	tgtgcaccac	cattcccagc	taatttttgt	10560
attttttagta	gagacggggt	tttgcgtgtg	tggccagggt	ggtctcggac	tcctgacctc	10620
aatgatcca	cccgcctcaa	atgatccacc	cgcctgggtac	tcccaaagtc	ctgggattac	10680
aggtgtgagc	cactgcacct	ggtcagcctt	atttttctta	actaagagta	aattggccct	10740
gaagaatagt	aatgtgtata	ttataagctt	ctctacagga	aagcctcttc	taattcttct	10800
gttcagtcct	atctatcatt	ctttgactta	acttgatgaa	ataaaaaaca	tatgtccttg	10860
acttacagag	tgtgaaccaa	aaggctctgtg	gttagaatcc	agaagaaata	ggggtttatc	10920
ttcagaaacc	tggacttcat	ttggctctca	cccccatcca	catgctttag	taactatagg	10980
gaaaagggtat	aggcagtaaa	aagcttcttg	tctgtgcctt	tccttttact	tggatccatg	11040
cgggtggcttc	tgaatgagat	atgaaaagtg	gctgtgaagg	ggttagaaga	aggttaggga	11100
aaaagaaaag	ttgggggtata	caaatttctt	cccctccctg	agccggctta	agggacagca	11160
agttctgtac	aggtctggcc	aaatggggag	atggtataaa	acccaaccag	gaaggggcat	11220
ggagataatg	agtcttccag	aaggccatta	ctgaagcctg	cagacgtgtc	catgtagaac	11280
agtctggata	agctgtaagc	attgttgacc	ccagaattgt	gaaattctga	gcatgttatc	11340
aatctgggat	gctctttttt	agcgatgtca	gttgctggaa	attttttcat	cagctctagt	11400
ctgtcctatt	tgaaggacc	aacttgccag	gtgcaattgg	tcagtgtctg	aatcccagca	11460
attttgagg	ccaaggtggg	cggactgctt	gagtcaggga	gttccagacc	agcgtgggca	11520
acacggcaag	accccgcttc	tataaaaaaa	tacaaaaatt	tagccaggca	tggttggtgca	11580
tgcctgtagt	cccacctact	cgggaggctc	tcttgagcct	aggaggtgga	ggtcacaggt	11640
gagctgagct	ctcaccacca	cactccagcc	tgggcaatag	agcaagacct	tgtctcaaaa	11700
aaaattaagt	tacattaaaa	atgaaaagaac	tatttcaaga	attaaagctt	ctaactcttg	11760
ctgtctgcct	gaaattgtag	tatataagat	gtcagcccta	catcctctaa	ctacagatga	11820
tgtaggcaaa	ttaagagata	aattaggtaa	atttactgcc	agttggattg	atgtgtgtct	11880
attgcttgag	ttgccaaatg	ttttttgtgt	ttgagctttt	cattgatgta	ttgtgtatca	11940
tgtgtttgat	aaaaggggca	tgtagtctta	ataatgataa	aatcccatga	tgtggaactc	12000
caggaattta	tagtggtgtg	ttgaattgga	atttcattta	gttaaaatgt	gccccgtgct	12060
actcccaaac	ttcagaagat	acagattgta	cccagcccct	ctgtaatcat	tgaaatcaag	12120
gttgctgtga	caacacacat	caccaaccct	ttcttctaac	tgatatcttt	aggtgagttt	12180
ggcagggttag	gtggattttg	tttaggacat	ggggaaagac	aaaggagtta	attactactt	12240
caaagtaaga	taaaaatgac	caaaactacg	ttttcttctc	tctggctgct	gagtaaatgt	12300
cattcagtc	catgcccag	atttggggta	aaaattttta	agtcctaggt	aggattactc	12360
aatcttgata	aatttaaatg	agactgccta	ttcccatagg	ttctctagcc	tggcatattt	12420
tgttttatga	taaattgctta	tttaaagggtg	cctcagtggga	atttttctctg	tgatgcagat	12480
aaattgtgg	tactcattat	ccagggccct	tgatcactta	gccatttatt	aggttctaga	12540
acagcttggt	gctgatgggt	tcagagcctc	ataaaaaata	atttcagcag	tgaaaaatcct	12600
caaattacct	aacctagaaa	atcagtagca	aaagaaggaa	caacaggaaa	aggaacagag	12660
gccaggggtga	agatgcttct	aggagccaga	attggagatg	aacttttcac	atatacattt	12720
catcgtggta	gccaatccag	ttttgtggga	ttctctgtaa	attttccatc	ttttctcatt	12780
tctctgaagt	ccagcagcct	tgtgcaatct	tgccacatgc	ccatttctgg	cagccccctgc	12840
tcttcccatc	tttctctgaa	gaacacaact	gccctattct	gtgcaaatga	ccaggcgagca	12900
ccttttagcc	ccaagaaacc	agacacatcc	tcaaggagag	gccaggggtcc	tggggagagc	12960
atctcggatt	tcattttag	aactatccgg	gaattgattt	tgatttgcct	ttcctaaaga	13020
ggcaaatgat	ggtactaaaa	tttggtttct	tccttctaag	cccatcattt	caccatttag	13080

atTTtagctc	agaggttccc	acatttttctc	agttcacagt	gcccttaata	gctcagtaat	13140
tttttcatcc	gtccccaagc	caaaagaaat	acctaataat	ttagtttatg	aagtaattgc	13200
aagacaactt	gaaagtagtt	gtttgtatgg	tggtcagcag	atggcgctgt	gtttcaaatt	13260
taaaataccc	agcagtttagc	tggatgatgt	ggcaggcaac	tgtagtccac	atggacaggc	13320
cgaatccgct	actcagtagg	ctgggggtggg	aagatcactt	gagcctagga	gttcaaggcc	13380
tggatagggg	agttgcttga	gcccaggagt	tcaaggcaac	atagtgaagc	ccccatctgt	13440
taaaatacaca	cacacacaga	ggggcaaagg	gaataaataa	atatccagca	atgccccagg	13500
gtgcctcagc	acacagtttg	agaactgcgt	cattaatcca	ctttctagat	gcagcattca	13560
tggtttggtc	ttgtaacctc	ctattttgat	gggaaccaag	ttgagccac	aatcagaatt	13620
gctcagaaac	tacacagtct	ggagtgtttg	aggtcttact	gttaagggtt	acatctttga	13680
tgacacctac	tggatggttt	tgcagtaatc	atgctgcagc	ctaaagttca	gagaatatga	13740
gggtggtggg	aaatgatcac	aggggtgctgc	tgtagctctg	aactgcgttg	tcagaagggt	13800
ttggtgacct	ggtggccttt	ttcctgagca	gactgtgaaa	ggcctggcat	cctgattggc	13860
tcaaggcagg	agttgataga	tgcaggctcc	cacagtacct	taaaaaggag	aaatatTTTT	13920
tgtaagttct	acaagtacaa	ggttttttata	agtacagcgt	tccaagtacc	tgggcactct	13980
ggttggcctc	agttacagct	cacacaggct	gagtcacttc	tgcttatgta	tctatacaag	14040
ccattttcaca	tccatagtac	caatactttt	aaggtcacaa	acaagatgaa	tctgaatggt	14100
ggcctttttg	tcctccacca	atcctgtttt	ctaccttcat	caaactactc	tgctgtttgc	14160
acttctcac	aacttccctt	gctgcttata	tttctttttt	cccctcaggt	gtctctcctt	14220
cccttctaac	tggcagcagc	ccccttcacc	tcaggagcgg	gcttttagatc	cgctctgccca	14280
ggcagcttgc	taacttctgt	gtagctctct	gaagcaggta	gagaaatggt	ttgctaaatg	14340
catgccgctc	ccactgcctt	tctagtcccta	accctcaatg	ttccttagtt	gtttgccttg	14400
tttctacaa	tttcagctaa	aactattgct	cagtatgcag	tattatgcta	cagtgtccct	14460
tgcaagtact	tgttagtttg	tgcagtgcct	ctgagatgta	attaaatggt	tatgcaatgt	14520
ttaaaataaa	ctctagaggg	ctaaagccat	taatatgcc	ataggacaca	tctcgataaa	14580
tgctggcata	tatggcattt	tcatgcaata	gaaactgtta	gaatcaaggg	agaaataaa	14640
gactaaaata	tcagtaccct	ttcacatagc	attcttgttt	taacctatga	cagatggatg	14700
tccagagcct	tttctttttc	agagtccttg	gtttagcaac	ccttgttcgt	ttggtgttac	14760
ttgttataat	agcatttctt	tgcaccaaatt	gaaaataggt	tagtttgagt	gttgacagaa	14820
gtgtttatgt	tgaattttgt	cacatatgac	ttttggatga	gctgagtgtg	gagtttcttt	14880
tgtctgtctg	tttccatttt	ttccattcga	catagttctt	ttcagtgtct	ggaatttttt	14940
gaaagattga	atttcccaaa	tgtaaagaaag	aaaattttat	ccatatttcc	acaccagtgt	15000
tactgtccag	catacatttt	gaaatgattt	ctagtctata	gtgtaggcaa	acatgaaaaat	15060
agtactatgt	agctgtttat	taaggatatag	atgtaattta	ggtaattgaa	atagatgatt	15120
agttttgtgt	gatggagtgc	ctgagcagggt	tctgacattt	ttataaagggt	caatgttttc	15180
acttgactgc	tttctagagg	tgtgtgttta	cctttctctc	ttgcaggacc	tggagtgtgt	15240
ggctacctta	ccgcagggtac	atctacatca	gtcatgtcta	acctgccacc	tcctgtagac	15300
catgaggcag	gcgaccttgg	ctatcagact	tgaatatattc	acgagagaca	ataaacgctg	15360
aaaggccagt	gccaaagtcca	cattcctcca	gctgatacgt	tgaagcaaac	tcttactgcc	15420
tttctcctgg	tttcatgaca	gtgttattcc	tttttctata	aatatatattt	taggaaaaaaa	15480
agtcagtgat	cctaattgta	tcacattata	agaaagcact	ctgtggatca	acataagtgg	15540
gtacacaaga	atTTTTTTTT	tcttgggtgta	tgtaaagcaca	tttgttccct	tatatctggt	15600
tacaaaactg	tgaatcaaaa	agacaaaact	ttcttcttag	tttttgtaat	tttttttttg	15660
aactagcatg	actgtagggt	tgagctacag	tcaacaaaaa	ttgggctaag	tcacttttcc	15720
ccaggaaaga	atatttccct	ctcctgcac	aagtctgcgt	ggccatcctc	ccccaccat	15780
ccaagactat	taggttttgt	ccctgcaccc	ttcactggca	tcctcaatca	ttaaccttct	15840
gaaagctcac	agtacacatt	agtatgtata	actggcttta	ccaaattgaa	tgaaaaggag	15900
cttgtgcaaa	aaaattttaa	aatggatgtc	aagatgttat	gtaaaagatg	agtgttaattg	15960
tgaaatgttc	tatacactat	caaatatata	aagctttcta	tattgaatgt	acattataca	16020
gatcattcat	atgtgtacat	aaaatttttaa	aaataaagggt	aattgactgc	tttgttaattg	16080
aga						16083

&lt;210&gt; 12718

&lt;211&gt; 1805

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12718

atggctacca	accctgtggt	tttataatgt	taaaggacta	gaacaggtaa	atgacattaa	60
tggtgatgag	agtcaacatg	gtttagggtc	ctggtttaat	tttgttggtg	tttgtatgat	120

tttacttggt	ttttccatag	cctttctggg	aaatataatt	taggatctat	ttcttactcc	180
agatagaaag	agataacagc	tttcataatg	tggcagaagc	tacgtttaca	ctcaagctga	240
ttcaatcact	gattgcaagt	ggaatagcag	gctctatgat	tgggtgtgata	acattataca	300
aatcccagat	gtacaagggt	ggtattatgt	attacagtat	ttgccatata	ttaaataatta	360
caattacata	ttaccatatt	tgatattaca	tttatagtag	ttggtttggt	gcctgaaaaa	420
cttttggtac	tgtaattaat	atattaaaaa	agaaacattc	tgattttttt	ctgggtctggc	480
ttttttctcg	tataattaaa	tgtaaaccta	acaaggttta	attaaattta	gtttacagct	540
gttgcggcaa	aaatgcaaaa	agcaaattag	agggagaagaa	atatggtgta	tgctttgtag	600
acagatggga	ctgaatctct	gttatccaaa	atgttctttt	attattggta	cattttatca	660
gtaaatcaag	gatagatacc	aaatattaat	gtacacatga	gccattact	tctaactaga	720
tttttctctt	agtatttttt	atctgtttca	ttattagttt	atcagctcca	aattagcata	780
tccaaatgag	ttaccagca	atagataaat	tgcttttgat	tttgtgtcat	aattaatatt	840
tttatctagt	catttatcta	tcattttaga	aactagccaa	gtctatgtga	gtcataaaaag	900
aaaaatgaaa	attattttact	attagttaaa	ttacagtggg	tgctttgagc	aggttcagag	960
gcttaagttc	ttcacaatct	cttactacat	gattgctggt	ttttcttcca	cagctttgtc	1020
atttactcag	tgctgtggac	tttcaccatc	ctgatattaa	aactgtgcag	gtgtccacag	1080
tagatgcttt	tcaggagcgt	gaaaaggaga	tcattattct	gtcctgtgta	aggacaagac	1140
aagtaggatt	cattgattca	gaaaaaagaa	tgaatgttgc	attgactaga	ggaaagaggc	1200
atttgttgat	tgtgggaaat	ttagcctgtt	tgaggaaaaa	tcaactttgg	ggacgagtga	1260
tccaacactg	cgaaggtaaa	ataaaaaatg	gtttaattca	tgcatattca	gttcaaactg	1320
acttttatgg	gttaatgctt	ggggtgcttc	aagcaggaac	agctctgctg	ggggaagtaa	1380
ctgacatgat	aatattggga	cctctgtaaa	ataaagaata	gttgtctcat	gtcgtatgtt	1440
tttttaagga	aggggaagat	gattgcaaca	tgcaaaccag	tatgaaccac	agctgaacca	1500
tctccttaaa	gattattttg	aaaaacaagt	ggaagaaaaa	cagaagaaaa	agagtgaata	1560
agagaaatct	aaagataaat	ctcattcata	aaaagacatg	gtgtaaatat	tttgtattta	1620
tgtaaatcca	gactcatttt	acatgatata	ttttttatat	ttttattact	ctaaaccctc	1680
ttattaaaaa	tatgatattt	aaataacata	gtaaacacat	gtaaaaattt	tgttcttcaa	1740
aaaagtgtac	aaaaggtagt	ataaaatcct	actaataaaa	ataagctttt	ttctaagaag	1800
aatga						1805

<210> 12719

<211> 1317

<212> DNA

<213> Homo sapiens

<400> 12719

ctgctgctca	tttttctaaa	aaatgtttta	ttggaacaca	attatgccca	gttgtttaca	60
tatcatcctt	ggctcttttc	ctctcataat	atttactgtc	tgtatgttta	taggaaaagg	120
tttgcttttag	cttatgcata	gacaattatt	ttaatgtcac	tattaaaaat	aataatttct	180
taatagttta	aatatcacat	ttacatagat	taattttcaa	tcatgcatat	tgttttgtac	240
cactactatt	tgttttgttc	tctcatctgt	ttattcctgt	gtcaatactg	ctcttataat	300
acctttgtgt	acatttaaaa	ccttgaaaag	caaattactt	ttcattattt	actttcaaat	360
tttttctagg	aattttccat	gcattttatt	tttacataaa	gttttagaaaa	aaaattttcca	420
ctttaaaaaa	ctgagatcct	gattactgtt	atagtaagat	gacatatcgg	tttaaaaaaa	480
attggaaata	ttgtgatatt	aaaagtcttc	caatccagaa	acatgctatg	tctttctatt	540
tattcatgtt	ttagtttatg	tccttttata	actttttata	gctcttttca	tgtaggccta	600
ctaattttta	gttaaattta	atctatgata	ttttgtagtt	tttactactt	tttaaaatga	660
gattttcctt	ttgcatacct	atttctaaca	tgaaattgtt	agcattaaaa	tctagctagt	720
caacttggat	tcagccactt	taccaaatgt	ctttattatt	ttaagcacgt	ttttagtagt	780
cttttatatt	ttttaggcaa	gccatcaaat	ggagatattt	ttgggttttg	actatgggaa	840
tagttactgt	tcctgttttt	taatcatgat	gactttcata	tttcatcttt	gttactacgt	900
ttttacttgg	atattgttaa	ttatactttt	ccatgttttag	actgtttctt	ctattcccat	960
gtcactatga	atttttaatta	ggaatgtctt	ctaaatttta	ttcaatacga	tttttagcaca	1020
tgttgatata	atcacgtatt	ttttgctttt	ttctctttta	tttgttttata	taataaatta	1080
tattgagaaa	tttacttaat	gctgaaccag	tagccatgga	gtatacttta	cttagttaaa	1140
aatgtgacat	tctaaaaatat	gatgctgtat	tatttttgat	ataattttatt	aggaattttt	1200
atatctatct	tgaaaaagaa	actggctata	gctttctgtg	atagctttat	caagttttga	1260
tatcttggtc	tatgtcttga	gagaatttaa	ataaaggata	attgctctga	acaaaat	1317

<210> 12720  
<211> 1317  
<212> DNA  
<213> Homo sapiens

<400> 12720  
ctgctgctca ttttttctaa aaatgtttta ttggaacaca attatgccca gttgtttaca 60  
tatcatcctt ggctcttttc ctctcataat atttactgtc tgtatgttta taggaaaagg 120  
tttgcttttag cttatgcata gacaattatt ttaatgtcac tattaataat aataatttct 180  
taatagttta aatatcacat ttacatagat taattttcaa tcatgcata tgttttgtac 240  
cactactatt tgttttgttc tctcatctgt ttattcctgt gtcaatactg ctcttataat 300  
acctttgtgt acattttaaa ccttgaaaag caaattactt ttcattattt actttcaaat 360  
tttttctagg aatttcccat gcattttattt ttacataaaa gtttagaaaa aaaattttcca 420  
ctttaaaaaa ctgagatcct gattactgtt atagtaagat gacatatcgg tttaaataaa 480  
attggaaata ttgtgatatt aaaagtcttc caatccagaa acatgctatg tctttctatt 540  
tattcatggt ttagtttatg tccttttata actttttata gctcttttca tgtaggccta 600  
ctaattttta gttaaattta atctatgata tttttagtgt tttactactt tttaaaatga 660  
gattttcctt ttgcatacct attttctaaca tgaaattgtt agcattaaaa tctagctagt 720  
caacttggat tcagccactt taccaaattg ctttattatt ttaagcacgt ttttagtagt 780  
cttttatatt ttttaggcaa gccatcaaat ggagatattt ttgggttttg actatgggaa 840  
tagttactgt tcctgttttt taatcatgat gactttcata tttcatcttt gttactacgt 900  
ttttacttgg atattgttaa ttatactttt ccatgttttag actgtttcct ctattcccat 960  
gtcactatga attttaatta ggaatgtctt ctaaatttta ttcaatacga ttttagcaca 1020  
tgttgatata atcacgtatt ttttgctttt ttctctttaa ttgtttata taataaatta 1080  
tattgagaaa tttacttaat gctgaaccag tagccatgga gtatacttta cttagttaaa 1140  
aatgtgacat tctaaaatat gatgctgtat tattttgaat ataatttatt aggaattttt 1200  
atatctatct tgaaaaagaa actggctata gctttctgtg atagctttat caagttttga 1260  
tatcttgggc tatgtcttga gagaatttaa ataaaggata attgctctga acaaaat 1317

<210> 12721  
<211> 1859  
<212> DNA  
<213> Homo sapiens

<400> 12721  
ctgaattcca tgttttcat tctgggtagaa gttacagaac aaatggattt agcttattat 60  
aaggagaagt tttctaattg ttagaattta catatctgtg gaatgaggct atttgtcaaa 120  
ctagagagtt ctttttccct taaagatgta tagtaagagc agtgcgaaaca tctcacaagg 180  
gatgttagat attcttctgt ggatagatct tgcacatgat gacctcctgg gctctcccag 240  
ccctgtgatt ctgagatcac agtgcccatc tcaggaatcc tcatgtctta gacccatcca 300  
ctaaaatgaa tcatcatctt attcacatct aagccccatt acaagtttat tagtatcatc 360  
cctttcagtg gaaatgcgaa atattttatt cagttagtct aatgtaatta gctcataatg 420  
tcaaattgctt gagaagtga ggtttagtgt ctgctgggta tttgtttctc atgtcaaata 480  
tcataaccatc agtgaaattg ttcataacca ccaaaattaa caattagccc cttcagcccc 540  
tcttccacct ttatcatatt tatttgctta acaaatttat cttttttttt ttttttactc 600  
attgattctg aatctccctc tattttaaag tatattctgt gacagcagtc ctcaaccttt 660  
gttgaccaa ggaccagttt tgtggaagtc agtttttcca cggacagggg cagaacaggg 720  
gatggttttg ggatgaaacc gttccacttc agatcagatc atcaggcatt agattctcat 780  
gaggagcata caacctcaat tcctcgcatg tgcagttcat aatagggttc gtcttccat 840  
gagaatctaa tgccaccact gatctgacag gaggcggagc tcaggtggta atgcaagcag 900  
tggggagtggt ctctgaatac agatgaagct ttgctcattc aactgccact cacctactgc 960  
tatgtagccc agttcctaac aggtttcaga atgggggatg ggaaccctgg ttctatgaga 1020  
gcagaatcca tgtatctttt tgtaccactg aatcccaagc atttcgtgtt ggtacatttt 1080  
tctgtaaggg aatccgtgtc ttttgttggc ttttaaaatg gccacctaaa aaaatttagg 1140  
aactactata agagtaatgt tgtcaaaatc aaataccact gttgagattt tgaatctgtg 1200  
aaggataatt gcattcttaa tattttgtct tcccttccaa aatcatgcta gttagtattt 1260  
cttcatttat tcaagatttc ttttatgcc aatagtaaat tttggtaatt ttctttatat 1320  
aggccataaa catgtattat taatttaatt tcttggattt ttttaattcta ctaatgggtc 1380  
tactaatgag ctttctcaaa ggaaggagag gagggagaa gaaggacat tggaaaagga 1440  
tatacagaat atttttatca gtctaggtaa aggttaactt gcctctggta atctcatttt 1500

ttaaagttct	ttaagcatat	agataattaa	gaaaataaat	tggctaggca	ctgtggctcg	1560
tgcctgtaat	cccacactt	tgggaggctg	aagtgggtgg	attgcctgag	gtcaggattt	1620
caagaccagc	ttgaccaata	tggggaaaacc	ccatctctac	taaaaatata	aaagttagct	1680
gggcatggtg	gcatgcgcct	gtagtcccag	ctattcagga	ggctgagaca	ggagaattgc	1740
ttgaaccgg	tagaattgct	tgaacccggg	aggcggaggt	tgcagtgagc	cgagatcatg	1800
ccattgcact	ccagtctagg	caacagggca	aaactccatc	tccaaaaaaa	aaaaaaaaaa	1859

<210> 12722  
 <211> 6410  
 <212> DNA  
 <213> Homo sapiens

<400> 12722						
atTTTTTTTT	aaatTTTatt	attattacag	ttaaagTTTT	agggtacatg	tgcacaatgt	60
gcagcttagt	tacatatgta	tacatgtgcc	atgctgggtg	gctccaccca	ttaactcgtc	120
atTTtagcatt	aggtatatct	cctaatagcta	tccctccctc	cttccccccac	cccacaacag	180
tccccagagt	gtgatgttcc	ccttccctgtg	tccatgtgtt	ctcattgttc	aattcccacc	240
tatgagttag	aacatgcggg	gtttgggttt	ttgtccttgt	gatagtttac	tgagaatgat	300
gatttccagt	ttcatccgtg	tccctacaaa	ggacatgaac	tcatcatctt	ttatggctgc	360
atagtattcc	atgggtgtata	tgtgccacat	tttcttaatc	cagtctatca	ttgttggaca	420
tttggtcttg	ttccaagtct	ttgctattgt	gaatagtgtc	gcaataaaca	tacgtgtgca	480
tgtgtcttta	tagcagcatg	atttataatc	ctttgggtat	ataccagta	atgtgatgac	540
tgggtcaaat	ggtattttcta	gttctagatc	cctgagggaat	cgccacaccg	acttccacaa	600
tggttgaact	agttttacact	cccaccaaca	gtgtaaaagt	gttccctattt	ctccacatcc	660
tctccagcac	ctgttggtttc	ctgacttttg	aatgattgcc	attctaactg	gtgtgagatg	720
gtatctcatt	gtgggttttga	tttgcatttc	tctgatggcc	agtgatgggtg	agcatttttt	780
catgtgtttt	ttggctgcat	aaatgtcttc	ttttgagaag	tgtctgttca	tgttcttcac	840
ccactttttg	atgggggtgt	ttgttttttt	cttgtaaat	tgtttgagtt	ctttgtagat	900
tccggatatt	agccctttgt	cagatgagta	ggttgcgaaa	attttctccc	attctctagg	960
ttgcctgttc	actctgatgg	tagtttcttt	tgtgtgtcag	aagctcttta	gttgaattag	1020
atcccatttg	tcaacttttg	cttttgttgc	cattgctttt	ggtgttttag	acatgaagtc	1080
cttgccctag	cctatgtcct	gaatgggtatt	gcctagggtt	tcttctaggg	tttttatggt	1140
tttaggtcaa	acgttttaagt	ctttaatcca	tcttgaatta	atttttgtat	aagatgtaag	1200
gaagagatcc	agtttccagct	ttctccatat	ggctagccag	ttttcccagc	accattttatt	1260
aaatagggaa	tcctttcccc	attgattgtt	tttctcaggt	ttgtcaacga	tcagatagtt	1320
gtagatatgc	ggcattattt	ctgagggctc	tgttctgttc	cattgatcta	tatctctgtt	1380
ttgggtaccag	taccatgctg	ttttgggttac	tgtagccttg	tagtatagtt	tgaagtcagg	1440
tagcgtgatg	cctccagctt	tgttcttttg	gcttaggatt	gacttggcaa	tgtgggctct	1500
tttttggttc	catatgaact	ttaaagtagt	tttttccaat	tctgtgaaga	aagtcattgg	1560
tagcttgatg	gggatggcat	tgaatctgta	aattaccttg	ggcagtatgg	ccatttttcac	1620
gatattgatt	cttccctaccc	atgagcatgg	aatgttcttc	catttgtttg	tatcctcttt	1680
tatttcattg	agcagtgggt	tgtagtctgc	cttgaagagg	tccttcatgt	cccttgtaag	1740
ttggattcct	agatatttta	ttctctttga	agcaattgtg	aatgggagtt	cactcatgat	1800
ttggctctct	gtttgtctgt	tattgggtgta	taagaaagct	tgtgattttt	gtacattgat	1860
tttgtatcct	gggactttgc	tgaagttgct	tatcagctta	aggagatttt	gggctgagac	1920
aatgggggtt	tctagatata	caatcatgtc	atctgcaaac	agggacaatt	tgacttcttc	1980
tttttctaatt	tgaataccct	ttatttctct	ctgcctaatt	gccctggcca	gaacttccaa	2040
cactatgttg	aataggagtg	gtgagagagg	gcacccctgt	cttgtggcag	ttttcaaagg	2100
aatgcttcc	agttttttg	cattcagtat	gatattggct	gtgggtttgt	catagatagc	2160
tcttattatt	ttgagatacg	tcccactaat	acctaattta	ttgagagttt	ttagcatgaa	2220
gtgttggttaa	attttgtcaa	aggccttttc	tgcacttatt	gagataatca	tgtgggtttt	2280
gtctttggct	ctgtttatat	gctgggattac	atttattgat	ttgcatatat	tgaaccagcc	2340
ttgcatccta	gggatgaagc	ccacttgatc	atgggtggata	agcttttttga	tgtgctgctg	2400
gattcagttt	gccagtat	tattgaggat	ttttgcatca	atgttcatca	aggatattgg	2460
tctaaaattc	tcttttttgg	ttgtgtctct	gccaggcttt	ggtatcagga	tgatgctggc	2520
ctcataaaat	gagttagggg	gggttccctc	tttttctatt	gattggaata	gtttctgaag	2580
gaatggtacc	agttcctcct	tgtacctctg	gtagaatttg	gctgtgaatc	catctgggtc	2640
tggactcttt	ttgggttggt	agctattgat	tattgccaca	atttcagatc	ctgttattgg	2700
tctattcaga	gattcagctt	cttctctggt	tagtcttggg	agggtgtatg	tgtcgaggaa	2760
tttatccatt	tcttctagat	tttctagttt	atttgcgtag	agggtgttgt	agtattctct	2820

gatggtagtt	tgtatttctg	tgggatcggg	ggtgatgttc	cctttatcat	tttttattgc	2880
atctatttga	ttcttctctg	ttttcgtctt	tattagtctt	gctagcgggc	tatcaatttt	2940
gttgatcctt	tcaaaaaacc	agctcctgaa	ttcattaatt	ttttgaaggg	ttttttgtgt	3000
ctctatttcc	ttcagttctg	ctctgatttt	agttatttct	tgccttctgc	tagcttttga	3060
atgtgtttgc	tcttgcttct	ctagtctctt	taattgtgat	gttaggggtg	caatttttga	3120
tctgtcctgc	tttctcttgt	gggcatttag	tgctataaat	ttccctctac	acactgcttt	3180
gaatgtgtcc	cagagattct	ggtatgttgt	gtctttgttc	tcattgggtt	caaagaacat	3240
ctttttttct	gccttcattt	cattatatac	ccagtagtca	ttcaggagca	ggttggttcag	3300
tttccatgta	gttgagtggg	tttgagttag	tttcttaatc	ctgagttcta	gtttcattgc	3360
actgtgggtc	gagagacagt	ttgttataat	ttctgttctt	ttacatttgc	tgaggagagc	3420
tctacttcca	actatgtggg	caatttttga	atagggtgtg	tgtgggtgctg	aaaaaaatgt	3480
atattctgtt	gatttggggt	gcagagttct	gtagatgtct	attaggtccg	cttgggtgcag	3540
agctgagttc	aattcctgga	tatccttgtt	aactttctgt	ttcgttgatc	tgtctaattg	3600
tgacagtggg	gtgttaaagt	ctcccatatt	tattgtgtgg	gagtctaagt	ctctttgtag	3660
gtccctcagg	acttgcttta	tgaatctggg	tgctcctgta	ttgggtgcat	atatatttag	3720
gatagtttag	tcttcttgtt	gaattgatcc	ctttaccatt	atgtaatggc	cttctttctc	3780
tcttttgacc	tttgttgggt	taaagtctgt	tttatcagac	actaggattg	caaccctgc	3840
ctttttttgt	tttccatttg	cttggtagat	cttccctccat	ccttttattt	tgagcctatt	3900
tgtgtctctg	cacgtgagat	gggtttcctg	aatacagcac	actgatgggt	cttgaccgtt	3960
tatccaattt	gccagtctgt	gtcttttaat	tggagcattt	agtcctattt	catttaaagt	4020
taatattgtt	atgtgtgaat	ttgatcctgt	ggttatgatg	ttagctgggt	atcttgctcg	4080
ttagttgatg	caggttcttc	ccagcctcga	cgggtctttac	aatttggcat	gtttttgcag	4140
tgggtgggtac	ggtttgttcc	tttccatggt	tagtgcttcc	ttcaggagct	cttttagggc	4200
aggcctgggt	gtgagaaaat	ctctcagcat	ttgcttgtct	gtaaaggatt	ttatttctcc	4260
ttcacttatg	aagcttagtt	tggctggata	tgaattctgt	ggttgaaaaat	tcttttcttt	4320
aagaatgttg	actattgtcc	cccactctct	tctggcttgt	ggagtttctg	ccgagagatc	4380
cgctgttagt	ctgatgggct	tccctttgtg	ggtaaccctgg	cctttctctc	tggctgccct	4440
taacattttt	tcttctcatt	caactttggg	gaatctgaca	attatgtgtc	ttggagtgtc	4500
tcttctcgag	gagtatcttt	gtggcggtct	ctgtatttcc	tgaatctgaa	cgttggcctg	4560
ccttgctaga	ttgggggaagt	tctcctggat	aatatcctgc	agagtgtttt	ccaacttggg	4620
tccatcctcc	ccgtcacttt	caggtacacc	aatcagacgt	agatttgggtc	ttttcacata	4680
gtcccatatt	tcttgaagge	tttgttcgtt	tctttttatt	cttttttctc	taaacttccc	4740
tttccatttc	atttcattca	tttcatcttg	catcatgat	accctttctt	ccagttgatc	4800
gcattggctc	ctgaggcttc	tgcattcttc	atgtagtctt	cgatccttgg	ctttcagctc	4860
catcagctcc	tttaagcact	tctctctatt	gattattcta	gttatacatt	cgtctaaatt	4920
tttttcgaag	tatttaactt	ctttgccttc	ggtttgaatt	tcctcctgta	gctcggagta	4980
ctttgattgt	ctgaagtctt	cttctctcca	ctcgtcaaag	tcattctccg	tccagctttg	5040
ttccattgct	ggtagaggaac	tgcgttccct	tggaggagga	gaggcactct	gctttttaga	5100
gtttccagtt	tttttgcctt	gttttttccc	catctttgtg	gttttatcta	cttttggctt	5160
ttgatgatgg	tgatgtacag	atgggttttt	gggtgtggatg	tcctttctgt	ttgttagttt	5220
tccttctaac	agacaggacc	ctcagctgca	gggtctgttg	agtttgctag	aggtccactc	5280
cagaccctgt	ttgcctgggt	atcagcagcg	gtagcttctg	aactgcggt	tttcatgaac	5340
cacgaatgct	gctgtctgat	cgttcctctg	gaagtttctg	ctgaaaggag	taccgggccg	5400
tgtgagatgt	cagtctgccc	ctactggggg	gtgcctccca	gttaggctgc	tcgggggtca	5460
ggggtcaggg	accacttaaa	ggaagcagtc	tgcccattct	cagatctcca	gctgtgtgct	5520
tggagaacca	ctactctctt	caaagctgtc	aaacagggac	atttaagtct	gcagagggtta	5580
ctgctgtctt	tttgtttgtc	tgtgccttgc	ccccagaggt	ggagcctaca	aaggcaggca	5640
ggcctccttg	agttgtgggtg	ggctctaccc	agttcagact	tcccggctgc	tttatttacc	5700
taagaaagcc	tgggcaatgg	cgggcgcccc	tccccagccc	tcgctgccac	cttgcagttt	5760
gatctcagac	tgctgtgcta	gcagtcagtg	agactccgtg	gggttaggac	cctccgagcc	5820
aggtgcggga	tataatctcg	tgggtcacccg	tttttttaagc	ccatcggaaa	agcgcagtat	5880
taggggtgaga	ttgacccgat	tttccaggtg	ccatctgtca	cccctttctt	tgactaggaa	5940
agggaaactcc	ctgacccctt	gcgcttcccc	agttagggcaa	tgccctcgcc	tgcttcggct	6000
ccgcacgggt	gcgctgcacc	cactgtcctg	caccactgtt	ctggcactcc	ctagttagat	6060
gaaccacagta	cctcagatgg	aaatgcagaa	atcaccctgc	ttctgcattg	cttactctgg	6120
gagctgtaga	ccggagctgt	tcctattcgg	ccatcttggc	tgccagcttc	tttgtgtagt	6180
ttcattacca	cttgagatgc	aattaaattt	gttttagttt	tcagtttgag	ggaatttgtt	6240
tttcttttta	gttcaacttt	agtttttgag	tatgtataat	tttaagcagc	attaatagag	6300
tataatcttt	tcaaacctgc	ccaaaacatg	acacatctag	aataatctgt	ttacttcttt	6360
ttgccatatt	ttaggaatgg	ccagcccagt	atcaaggggtg	ggatgatagc		6410

0950083 091201

<210> 12723  
<211> 407  
<212> DNA  
<213> Homo sapiens

<400> 12723  
atttttaccac atttgcttta ctattgtggt tgtctctttt ttttgaaatg gttgagaata 60  
agtttacaga catgatgtcc cattgctaag tactacatgg tgtatttctt aaaaataagg 120  
atattttttca aaatcaggaa attaacattg ataaaaacta ttttaagtaa aaaatgcctt 180  
ttttctcctc caagtcagga atctaatacc aaaatcatgt tacatatagt tgtcttcttt 240  
catctttttt aatctggaat ggtccctcag tctttctttg tcttttatgg cctttaaaat 300  
ttggagaata cagaacagtt ttttgtttat ttgtagaatg tccctcaatt ttgggttgct 360  
tgattttttg ggaattagat tttggctatg ctgtgatcat atcagga 407

<210> 12724  
<211> 1299  
<212> DNA  
<213> Homo sapiens

<400> 12724  
gagatcctgc ctcaataaat aaataaataa ataaaaataa agtaaatgga attacacaat 60  
atgtgctttt ggtgactggc ttttttctact ttgcatgttt tcaagggttca tccatttggt 120  
tggtgtttta aatcttatgt ggttgagttt gggttcatgt cagtgtttat ttgccttttg 180  
ttttcaaaga taagaccact taaattatta gattatttga attctcctta agttataagt 240  
ctgggtcctgc tatatcagtt atctaagtat ttagaaaatgg tagactaggg gacctagggt 300  
tcttaaactt ttctctcttt tacttaggtg tgcaatatga ataaaaatc agtagatttg 360  
tatttttagaa aatggggcat acaagattgg gggctttatt gacacattta attctttcat 420  
gtgtaaaatt acttatgtga aaatgtgatt ttcttggttt ttcccagac taaaaagttt 480  
ttgttaatta ttatgagtat ttctatagtt ggctgttttt acctggcaag aatgcttttc 540  
tgctcagatg aagagataaa ggcattaggc ctgggatgga catttctgag tgaattaatg 600  
ttggattggg atttttttta tgagtggaag agacaaaacta tcttacatcc attgggttta 660  
aaacattttt taatttcagt atatatatgt agagaaaagt acacatgtca taagcctata 720  
cagctcaatg aattttaaga aactgaacac acatgggtta ctagcaccga aatcaggata 780  
tataaaatgt tcttgcatt ccaaaagcct tcttttggtc ttctttccag tcattatcct 840  
ttctcccaa aaaggagtca acacctgat gtctaacagt atagaatagt ttagttcatc 900  
catggatgca gtgagccaag atcacgccac tgcactccag cctgggtgac agagtgagac 960  
tctgtctcaa aaaacaaaca aacaaacaaa aaacaaaccg aaaatattag tctgtaaaga 1020  
ttgatcttga gcctaaactt ttagatgttt tctatccttt gaacaaatgc ttctgtatct 1080  
taagcttggg aggacactgg gaaactaaac acttttaaaa ggcacttttc tttcaatagc 1140  
ccacttataa agtttgcttt atctaccagt acgggggaaa aaaagaataa agttggtttt 1200  
attccattta aagtagtttt ggtatttctt tgctccatac caaagtcttc ctccccaaa 1260  
ataaacaagt gaattagaac caaaaaaat caagaaaaa 1299

<210> 12725  
<211> 1381  
<212> DNA  
<213> Homo sapiens

<400> 12725  
aataaataaa taaataaata aaaataaagt aaatggaatt acacaatatg tgcttttggt 60  
gactggcttt ttctactttg catgttttca aggttcatcc atttgtttgg tgttttaaat 120  
cttatgtggg tgagtttggt ttcatgtcag tgtttatttg ccttttggtt tcaaagataa 180  
gaccacttaa attattagat tatttgaatt ctcttaagt tataagtctg gtccgtctat 240  
atcagttatc taagtattta gaaatggtag actaggggac ctaggtttct taaacttttc 300  
tctcttttac ttaggtgtgc aatatgaata aaatatcagt agatttgtat tttagaaaat 360  
ggggcataca agattggggg ctttattgac acatttaatt ctttcatgtg taaaattact 420  
tatgtgaaaa tgtgattttc ttgttttttc cccagactaa aaagtttttg ttaattatta 480  
tgagtatttc tatagttggc tgtttttacc tggcaagaat gcttttctgc tcagatgaag 540

agataaaggc	attaggcctg	ggatggacat	ttctgagtga	attaatggtg	gattgggtatt	600
ttttttatga	gtggaagaga	caaactgtct	tacatccatt	ggtttttaaaa	catttttttaa	660
tttcagtata	tatatgtaga	gaaaagtaca	catgtcataa	gcctatacag	ctcaatgaat	720
tttaagaaac	tgaacacaca	tgggtaacta	gcacccaaat	caggatatat	aaaatgttcc	780
ttgcattcca	aaagccttct	tttgtgcttc	tttccagtca	ttatcctttc	tccccaaaaa	840
ggagtcaaca	ccctgatgtc	taacagtata	gaatagttta	gttcatccat	ggatgcagtg	900
agccaagatc	acgccactgc	actccagcct	gggtgacaga	gtgagactct	gtctcaaaaa	960
acaaacaaac	aaaaaacaaa	ccgaaaatat	tagtctgtaa	agattgatct	tgagcctaaa	1020
cttttagatg	ttttctatcc	tttgaacaaa	tgcttctgta	tcttaagctt	ggaaggacac	1080
tgggaaacta	aacactttta	aaaggcactt	ttctttcaat	agcccactta	taaagtttgc	1140
tttatctacc	agtacggggg	aaaaaaagaa	taaagttggt	tttattccat	ttaaagtagt	1200
tttggtattt	ctttgctcca	taccaaagtc	ttcctccccc	aaaataaaca	agtgaattag	1260
aaccaaiaaaa	aatcaagaaa	aagaaaaaag	ttaataatth	cttctagtth	tcagagttth	1320
atataagact	gtacaaaatt	atcgtcattt	agaatthttt	ttttcaccag	ccctgaattt	1380
t						1381

<210> 12726

<211> 7301

<212> DNA

<213> Homo sapiens

<400> 12726

attattaatt	agatggcacc	agtttagctc	tgtgtaaact	tcaatctact	cccaagtgca	60
tgtaattctt	ccaaaaatat	ggggggaaaaa	taccttacct	gaagcttctg	tgggatttac	120
ccacttgctt	cttgtctttg	tcacctgaca	tttggtttct	gcttgttaca	gaaaagaaga	180
ggaaaggctc	aaccaagaga	aaaaggcttc	tgttttattta	gaagacacag	actaacaatt	240
ttagatggta	agggttcaca	ataggttgat	ttctttcttc	agctttctga	catgtccagc	300
ccatctctaa	tgaggactcc	cagatcatca	ctttatggct	gttaggtggt	tcccatatga	360
aattagagga	gctgggctag	ggagacaaaa	gtcttctatt	agtcttatgg	atagctcctc	420
cttgagtgt	ttttgtgcaa	aagattaaga	agctggactc	tactgccatt	aaagctgaga	480
gaatcctaag	gttattttgt	gcttcggggg	tatatthtatt	actactacta	ctaataaata	540
ttcaacaagt	aaataaatct	tttttaaact	aaaagattag	tatctgctta	ttctthtttt	600
ttaattgtaa	accaattatg	gtattaaagag	agtgaactcaa	tagacatatc	tggcagtttt	660
tacaggagag	cttttgtact	atthtgaatt	gatttcaact	cctctcatta	gttattggca	720
ctaataacta	cctgaaatga	atccagttht	agtaagcata	taattthtatt	tttccagtht	780
tcaggthcat	caggcttaaa	aagtaggata	atthatttht	cttgtcttht	tttttgagac	840
agggtctcaa	cccgttgccc	aggctagggt	gtagtgggtc	gatcttgggt	cactgcaact	900
tctccctccc	aagctcaagt	gatectccta	cctcagcctc	ccaagtagct	gggaccacag	960
gtgcgcgcca	ctacacccag	ctaattthtt	tactthttgt	agagacgggg	tttccccatg	1020
ttgcctaggc	tggtctcacc	tgagctcaag	cgatccacct	gcctcagcct	cccaaagtgt	1080
tgggattaca	ggcataagcc	actgcgcgg	gccaatttat	ttttcatatg	ctcagaatth	1140
ctccattctt	ctgaaatagg	tccacacatt	taatttctag	atgttataaa	tccggacatg	1200
caaacttaaa	ttttacgctc	ataagaaagt	tcttgatatt	aatgacttht	tcctgtaaaa	1260
ctctggctct	gttacacgga	agaacattht	ttacagaccg	ttattagttg	caaagagggt	1320
cacattthta	taggctaagc	tccagtgaag	gacctcaagg	atthataaaa	tagaatatgg	1380
agtaaaatga	ttgtattgt	aaaccagaaa	accaaatta	acattaggga	gtttttacca	1440
accaatggct	attgtcttht	taaagthtaag	gggattatct	aacaacttgg	ggtcatggaa	1500
aataaatatg	ggagatgtht	tagatcaaaa	gaaacttaag	agatgaacac	aatcaaaagt	1560
caatgtgtga	tccccactg	gatgaataat	agtgtgaaca	agctagttht	aaaaacaagc	1620
ttagaggggc	aattgggaaa	gtcttgaata	tgaaaatgth	aaatatatgg	ataatattag	1680
ggaattattg	ttagthttgt	ttaggtatag	tgatgggtatt	gtagttataa	agaaaatgta	1740
cctattthtga	aaaattctta	ctggagtatt	aggggtaaat	gtcagcaatt	tactthtaaaa	1800
gcatatgaaa	aaaagcaaat	aaaacaaaaa	aggcttcaga	attagggtgat	ggggggagatg	1860
agggggagaaa	agaaaagaaa	agaatgaatt	aatgaattht	agggatgggt	aaattccaca	1920
tactctgttc	tctactthtc	tatatgtctg	atthtggtht	taatgagagt	gagaagtggg	1980
gagaatatgg	gatgtatgtg	tgtgaacaag	ttgtgggtca	tccaagtgtc	catgcaagggt	2040
acttagaggc	catgatttht	ggatactaac	tctgaaaaatt	atgtaataag	gattaggaaa	2100
cttctthttaa	aaattthaa	gggggagaa	atgaataact	tccctcagaa	tattthctct	2160
ctaataacat	atatgtaat	cataatgcca	agtattccta	ttgtactctt	ctcaatatat	2220
tatccattta	aactthttgt	ttgtgtthta	ggaagctgag	atgattthca	agaacaagaa	2280



ccctagtatt	tcttgaagtt	aatggaaact	tttctttggc	ttttccagtt	gtgacccggt	2340
ttccaaccag	ttctgcagca	tatttagattc	tagacaagca	acaccctct	ggagccagca	2400
cagtgtcct	ccatatcacc	agtcatacac	agcctcatta	ttaaggtctt	atttaatttc	2460
agagtgtaaa	ttttttcaag	tgctcattag	gtttttataaa	caagaagcta	cattttttgcc	2520
cttaagacac	tacttacagt	gttatgactt	gtatacacat	atattggtat	caaaggggat	2580
aaaagccaat	ttgtctgtta	catttccttt	cacgtatttc	ttttagcagc	acttctgcta	2640
ctaaagttaa	tgtgtttact	ctctttcctt	cccacattct	caattaaaag	gtgagctaag	2700
cctcctcggt	gtttctgatt	aacagtaaat	cctaaattca	aactgttaaa	tgacattttt	2760
atttttatgt	ctctccttaa	ctatgagaca	catcttgttt	tactgaattt	ctttcaatat	2820
tccagggtgat	agatttttgt	cgttttgtta	attaatccaa	gatttacaat	agcacaatgc	2880
taaatcacac	agtaactaca	aaagggttaca	tagatatgaa	aagattggca	gaggccattg	2940
caggatgaat	cacttgtcac	ttttcttctg	tgctgggaaa	aataatcaac	aatgtgggtc	3000
tttcatgagc	agtgcaggat	agtttagctt	actatgtttc	cccccaatt	caatgatcta	3060
taacaacaga	gcaaagtcta	tgctcatttg	cagactggaa	tcattaagta	atttaataaa	3120
aagatttgtga	aacagcatat	tacaagtttg	aaaatccagg	gctgggtgaa	aaaatcaact	3180
ctaaatgatg	ataattttgt	acagttttat	ataaaactct	gagaactaga	agaaattatt	3240
aacttttttt	cttttttaat	tctaattcac	ttgtttattt	tgggggagga	agactttggt	3300
atggagcaaa	gaaataccaa	aactacttta	aatggaataa	aaccaacttt	attctttttt	3360
tccccatac	tggtagataa	agcaaacttt	ataagtgggc	tattgaaaga	aaagttacaa	3420
gcttaagata	cagaagcatt	tgttcaaagg	atagaaagca	tctaaaagtt	taggctcaag	3480
atcaatcttt	acagattgat	attttcagtt	tttaatcgac	tggactgcag	atgttttttc	3540
ttttaacaaa	ctggaatttt	caaacagatt	atctgtattt	aaatgtatag	accttgatat	3600
ttttccaata	ctatttttta	aaaaattgta	tgatttacat	atgaacctca	gttctgaaat	3660
tcattacata	tctgtctcat	tctgcctttt	atactgtcta	aaaaagcaaa	gttttaaagt	3720
gcaattttta	aactgtaaat	tacatctgaa	ggctatatat	cctttaatca	cattttatat	3780
tttttcttca	caatttctaac	ctttgaaaat	attataactg	gatatttctt	caaacagatg	3840
tcttgatga	tggtccataa	gaataatgaa	gaagtagtta	aaaatgtatg	gacagttttt	3900
ccggcaaaaat	ttgtagctta	tgtcttggct	aaatagtcaa	ggggtaatat	gggcctgttg	3960
tttagtgtct	ccttcctaaa	gagcactttt	gtattgtaat	ttatttttta	ttatgcttta	4020
aacactatgt	aaataaacct	ttagtaataa	agaattatca	gttatataat	ttgtgtatat	4080
acatatcttag	aagttctaca	ttgcaggga	aacagatgga	tatatattta	atctttacca	4140
aaaagttttc	ttagtagaga	caacctgcaa	gtcaataatg	gatacagtta	gtttctaattg	4200
ggtaaacaga	agtatacggg	tttccacaga	attttcacac	tgttttggat	agctgggaat	4260
tgggcataac	aacactactt	agtttgaggg	ctctttcaaa	gaaaagtatc	aaagattcta	4320
tttagtactt	tgcattacac	ttttaatagg	gaaaactact	ggctttcaag	tctagttaaag	4380
gaatggaaat	tgaaaaatgg	aaacttatta	attcttcccc	aaagcgaaag	catactttta	4440
ttctcctgct	ttcattgaca	tgtggcaatt	tccagggaag	aggcttactg	attattaaag	4500
cagtgtactt	attgtaccat	ctctttttca	gaagtatgtg	acgccatctc	acttcaagta	4560
ctgtgataac	ataactttct	tactttttcca	accaaagaca	cagaaatccc	agttcctctt	4620
ttcctcta	acaggctgta	atgattttgat	catcattgcc	accgccaaaa	gtaatttaac	4680
aaacacccaa	ttttggaggc	tgcaataact	acactaaaaa	ggacaccaac	caatgaggct	4740
tgtggcacat	atcacataca	gcacctaata	tatatattatc	tatactgtat	gatctccag	4800
gtgtttctga	actctaaatt	tacagtagtg	tattctgaga	accttcaact	aaatctcgag	4860
acgtaaaaac	gatgtctgac	atgcagtcag	agcatcaaaa	ttatttagtt	ctgcagaatt	4920
ccataaaaaac	aaaattgtaa	ttattccaag	tccgtagcct	acttcatttt	caagcaaaaag	4980
agagcattta	gctccgcct	gaaagttaat	aaatctctgg	tcagtgaaac	cagggtgtgt	5040
tctggaaaga	agccagggtc	ctatggtaac	ttcggatcgc	catttaagtt	gtctctcggc	5100
ctcctgctct	gacgtcactt	ccggtgttac	ctgtgtcggt	accgggagct	gtaaacaagg	5160
tgtgcaagca	tctgaagagc	tgccgggagc	cagcagagag	gagcagctgg	aagccgtggc	5220
tgcgctctct	tccctctgct	gggcgtcctg	ttcttccagg	gtgagtgtct	cggtgtggct	5280
cgctccactt	ccggccgggg	ggttagggaa	gatggctcgt	tttccgggtc	cggttagggg	5340
ggtctccaga	aagccccgc	atagctctgg	gaagggaagg	gggagggagc	gggacgttgg	5400
gacgatgtca	tcaccacccc	gttgaggata	gttgggtatt	tgtcagtcct	ttcctgagcc	5460
ttgggagctt	tttcaccttg	cgtgacctgt	cattgtagtt	tggtgatagc	atacttgatg	5520
gaaccacaaa	gagctctggc	tttgggggca	cccggtgtta	ttttgtgggt	ttattatcag	5580
tggttgaccg	ctgtcgtttg	ggcgctgtat	accctgatta	gaaagaaaac	ggttctagca	5640
ttcagtagtt	tgccccagta	gttttgggaa	acaaaatcat	gacagttggt	aattttatatt	5700
ttttaggtg	attattgtag	tctataaaat	gaaatatttg	ctagtccacag	aagggatgtg	5760
atgtgattcg	ttatagagaa	gaatatcgat	gaaaagtaa	ctgcttttagc	attttcataa	5820
ctttttttta	tacaagaaga	agcatataaa	ttctgttaaa	atttattaag	taatatcaga	5880
agtaggggat	tcacactgac	attcacatct	taaaattagg	tgagttttgc	tttcatataa	5940

ttttcaaatt	gcataaattt	caatccagcc	taattacctt	catcttaagg	tacaattatt	6000
tcttgattt	tgtgtatgtg	tgtcttcctg	ggaaataaaa	tattagtata	tctagtatta	6060
gagtgaattg	ctaaatttat	aaaatttcct	tgagggtaat	ggggatttct	gaaagagata	6120
tttaatat	tataaatata	aagactttta	tataaagact	tcagatgtcc	taaatccttag	6180
cagttaaggc	tggaaagttt	ttaactgggt	actaatattc	atgttgccag	cacacccccg	6240
atccctccca	gctgcctgtg	tcatacataag	tctccagttt	ttaagctaaa	ttacttttgca	6300
gtatgatatt	taggctggcc	tactgtcact	cctaataaac	ccagtcctct	ctctctctct	6360
ttcacacaca	cacacacaca	cacacacaca	cacgagaaat	attcaaatat	tgtcttattg	6420
agaaaaaaa	tctggaaatg	gtgttttctt	aaatctaattg	tcattgttgc	ttgaagagca	6480
tctgtcaagt	ccagcagacc	atataattca	atcaaacatt	taaagttgat	tttacaatct	6540
ctatgtactt	gtggaataga	ttttttgcct	tttaaaaaat	aactgggtggc	aggggtgtggt	6600
ggttcttgcc	tgtaatccca	gcactttggg	agaccgaggg	agctggatca	cctgagggtca	6660
ggagttcgag	accaggctga	ccaacatagt	gaaactccgt	ctctactaaa	aaatacaaaa	6720
aaaattagcc	aggcgtgggt	gcgggcgcct	gtaatcccag	ctactcggga	ggctgagaca	6780
ggagaatcgc	ttgaaccag	gaggcagagg	ttgcagtgag	ctgagatctc	gccattgcac	6840
tctagcctgg	gcgacaagag	agaaactccg	tctcaaaaaa	caaaaacaaa	aacaaacaaa	6900
aaagaaacaa	ctggtttatc	atattattca	catgccatac	aatttactgt	cttaaagggc	6960
ataattgaat	ggtttttagt	atattcacag	ttatgcaata	attaccacta	tcaatttttag	7020
aacattttca	tcaccccaaa	gagaaacttg	ataccatta	acaatcactc	ctcactctcc	7080
atttccctta	gcccctggca	accaccagtc	tatttttttg	tatctattga	tttgcttatt	7140
ctggacattt	catataaata	gaataatatc	tgtaatccta	gcactttggg	aggccgaggt	7200
gggtggatca	tttgagggtca	gaagtttgag	accagcctgg	ccaacgtggg	aaacacccta	7260
tctctacca	aaaatacaaa	aaaaaaaaaa	aaaaaaaaaa	a		7301

<210> 12727  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 12727						
gggcgcggtg	gctcacgcct	gtaatcccag	cacttttgga	ggccgagggc	gggtggatcac	60
gaggtcagga	gttcaagacc	atcctggcca	atatggtgaa	accctgtctc	tacta	115

<210> 12728  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 12728						
cacgcctgta	atcccagcac	tttgggaggg	cgaggcgggt	ggatcacgag	gtcaggagtt	60
caagaccatc	ctggccaata	tggtgaaacc	ctgtctctac	taaaaataca	aaaa	114

<210> 12729  
 <211> 13928  
 <212> DNA  
 <213> Homo sapiens

<400> 12729						
acaagagaga	gcccagagct	tacgtttgag	aactatacgt	tcttcatcca	ttagttatag	60
tcaagagtct	ggagcagcag	gtattttatgt	ctaatttttt	ctaataaaat	atttgacaca	120
aaacactagt	tatttttaact	ttttaaagtt	aagtattcct	gttttccttt	cacttgccga	180
aagtgttttt	aagtgcattt	ctatcccaga	agcactcatt	ctttcctatg	gaagaaagtg	240
gttctgaaat	tagaaagatt	atactgtcca	ggaaaaaagg	aagtgttggtg	atgatttata	300
taactgatag	caaagatag	tctgaaactg	ttgattataa	aggtatctgt	ccagggtatgg	360
tagctcactc	ctgtaatccc	agtacttttg	gaggctgagg	cgggcccagc	acttaaggcc	420
aggagttcga	gaacggcctg	ggctacgtgg	tgaaacccca	tctctactaa	aaataattta	480
tattcctgcc	agcagtgtat	tgagataatc	atgtacttta	tgctactaga	aaaaaagtca	540
catgaaattt	taacacagaa	tgttcgacat	ttaatacttt	tgtaacataa	atgttttttt	600

atacttgttt	gctgattgat	ttgcttctct	ttcctaaaga	tttgtggaac	tcagtagtat	660
tagtggttaat	ttgtaggtat	gggtccagaa	gcaattcaga	gaggacctga	atatacctaa	720
actgttccct	gaagagtcag	cagtagccat	tgggtagtct	acttggaat	gatattcctc	780
tcttccaagt	tgggggtgtg	tatttatttg	tcacagaaca	cacagtcata	cagagcaaga	840
gagaatgact	ctggaatcag	actgcctgaa	ttcaaattccc	acattctcta	cttactccgt	900
gagcaatcct	gagcaagtta	cttgtctcat	ctttaaaata	aagatactgg	ccagtcacgg	960
tggctcatgc	ctgtaatccc	agcactctgg	gagcttgagg	caggcgaatc	acttgagatc	1020
aggggttcaa	gaccagcctg	ggcaacatgg	tgaaaccctg	tctccactaa	aaaaatacaa	1080
aaattagctg	ggcgtgggtg	cgggcgcctg	taatccccag	ctactcgga	ggtgaggcag	1140
gagaatcact	tgaacccagg	aggcagaggt	tgagtgagc	cgagattgtg	ccactgcct	1200
ccagcctgga	tgacagagtg	agactccatc	tcaaaaaata	ataatgatga	taataataaa	1260
ataaagatac	taataatgct	tatgtccata	tagttgaaat	agttcctggc	tcataagtaag	1320
tgcttttgct	atatgaggtg	ggggacctta	gagaaaccac	agtcactttc	tagagattta	1380
agtatgtctg	ggctatcatt	aaattaaaaa	acgacagaaa	tggcttttat	tattttttta	1440
aataaatcat	gatttagtta	tccaaatgaa	tattggctct	cctcaacgta	gtcaccatgg	1500
gagtttttct	gtttatttca	gcagtgcctc	cctggaatgc	ctcattggca	taacttttag	1560
gatatgtcag	cttagtatca	gtttgatttc	tgagaatgac	taaaagttgc	tttagagcca	1620
agtctagcag	ctagagtatc	ataccaggtt	ggattatttg	tttggatatag	atgcaaagta	1680
agatgtgact	atatgatcat	gagtgatttt	tcttttatct	aaaggagctt	tgagggtaat	1740
tatgaaagaa	aaccttacca	aatgctttta	gccgaacaat	aacattgttg	gaataaatag	1800
tctcaaggcg	attgttttaa	aaaaaaactt	catttggaat	ttgttccatg	tttgtttaaa	1860
aatcttggct	gggcgcaatg	gctcacacct	gtaatcccag	cactttggga	ggccaaggca	1920
ggaggatcgc	ttgagcccag	gagttcgaga	ccagcctagg	caatgtggcg	agactccttc	1980
tctacaaaaa	atttaaaaaa	ttagccggcg	gtggtgatgg	gcactctctg	tcccagcaag	2040
ccaggaggct	gaggtgggag	gatcgtttga	gcctaggaag	tcaaagctgc	aatgaaatat	2100
gatttgtcca	ctgcactcca	gcctgggtga	cagagtgaga	ccctgtttcc	aaaaacaaga	2160
ggaagaatta	gaaatgcagt	gagggctggg	cgcagtggtc	tatgcctata	attccagcac	2220
tttgggaggg	caaagcggcc	agattgcttg	agctcagaag	ttctaaaact	tcaacagcct	2280
gggcaacatg	gtgaaatccc	gtctctacta	aaaatacaaa	aattagccag	gcgtgggtgg	2340
gtgcatctct	agtgggtgtg	gccagctact	tgggagattg	aagtggagga	ttgcttgacc	2400
ccaggagggtg	gaggttgtag	tgagctgcca	ttgtgctact	gcattgtagc	ctgagcgaca	2460
gaacaagacc	ctattaattt	aaaaaaaaaa	aaaagtgtag	tgaacttggc	ttctcgcaga	2520
ctcgtagaaa	gttaaaaaag	aagctaccat	ctaaatgggt	ttattattat	tccagatatt	2580
ttggatttgt	ttctgttata	atgatagctc	aaaaaactag	ttttactttt	aatatttaatt	2640
ggtataataa	ttagttgttt	tttttcccca	gtcactgaag	atgtgtgctt	agttacataa	2700
agtacattaa	tatttgtgtt	tataaaataa	tacaatattt	atagtataat	gtttatata	2760
gtgttttaaa	tgtgacagca	ctgcatccac	ttgaggctct	tttttatagc	tactaggagg	2820
tttaggcact	tggagttaaa	ttttaaatga	accacatatt	tttcattttt	gttaattgtag	2880
ttttcccat	ttatgcaaat	aaaatattta	attggctctc	cactcctgcc	tctgtcccct	2940
taccgctacc	accctaagag	attatcattg	ttaacatttg	aggacatggt	gtttttgtaac	3000
ctgttggttt	ttcttaatat	gacaatggcc	catatttttag	cagtaaacia	aaagatacag	3060
aagatgaaa	cttagccaaa	cactgtaaat	agaaatggga	agctttttca	tatcggggaa	3120
cggtggctta	attgattctt	gggggaatgg	ggatcaacta	accataaaca	atttcattta	3180
ggatttttgc	atcatgaggg	tatttggaga	gaaatatatc	atcctataat	gtgcacagta	3240
agtttttctc	aatttgttgc	tttgaggaaa	gacacaaagc	aaactaaaca	gcctttcata	3300
gataaataag	tatacagaga	gtgaaagata	tgggtacaag	tatatagaga	cctatcaaaa	3360
atacattgct	tgtggtatta	attctcatgt	gtgatttttag	catattaaaa	ggctgttttg	3420
tgttttttaga	accataagaa	taaatgggga	tgttaccttt	cagtttggtc	caaagattgc	3480
atgcatcatt	accaaagctt	gagtcctttt	actcccctgt	cttgttgaga	tacctactac	3540
ttgagcatac	tctggaatga	gaaagtttat	cgattaacat	gctgcttacg	cagataggat	3600
tagcatattcc	ttaatttagt	ataccacgtg	ttgtatcagg	cataaaagcc	agcttttttt	3660
agtcataccc	caatgtttaa	aattgtttaa	tgacagactc	atgttctttt	gatcatttaa	3720
atcatgacat	ggatattttt	aattttttata	ttctagtaat	tatcaattgt	cctgggtctg	3780
ctgcttagag	tatcagtttg	ctcaaaattg	cttgaatcat	taaagcaaat	actaattgtg	3840
agcattgacc	agatcttaag	ttaaaaaaaa	aaaaaaagca	tctttgggtc	tagaagaagt	3900
gctaaggaaa	cctgaattaa	ctgataaagc	acaggtaaag	tttgaccata	aaacttgtag	3960
aaagaatgga	atatagctta	atgctttata	tgtaagacat	tggaaacaaat	acttaaatte	4020
agtggttagc	actataaata	tcttttctta	actgtgagta	gttggaaaat	atagctggct	4080
aatagtaatt	acaagttact	atttaaacag	atgccaacat	gcaaagtagt	tgtataattt	4140
tcctaaagtt	atgttacact	tgatttttaac	ttgacgccat	tgtgcattgt	aaccatatta	4200
ttatacaagg	agcatagacc	aacaacagtt	gagtaaatgg	gtgaataaat	gaataaaaaag	4260

gataaacaca	actaatttaa	aagtcattgag	cataactaac	aatgattgct	tttatttctga	4320
aactgttttc	catggtttat	aacgttcata	gccatatgac	ccttccttaa	tctcttcctt	4380
ccttccttgt	attttgggta	ctgattcttt	gcaagggtcca	tctctctttt	gtgtgaagta	4440
aaatactggg	aaaaggctgc	ttttctaaag	atacctgttt	tgctattttt	atagtgccta	4500
taactgatgt	aattagaaga	aataaattca	tagtgctttg	gatatagca	ctcagattaa	4560
tatcaaattg	tcacctcctg	ttagtgttca	ttcactaaag	gaatagtgt	cagaacgtgt	4620
acatttgaat	taagggaaga	tggttagaaa	agttctggaa	ccgggaacta	ccattcagaa	4680
gacttctatg	ggaccaggac	aaagacaaac	tttacgtagt	tcacaatttg	cctagagctg	4740
tccttgattc	tcctttctct	ttttattctt	tttttattct	ttgttctcat	tggtttacta	4800
ctatgtttta	aaaatgttta	taacttgata	ttttaatgta	aagtatgttt	tcttagaagg	4860
gaagaaaaaa	tgctttatat	actaaaaaca	gcaggctgaa	gctataagtt	aacaaactac	4920
atcttaagat	tttttgacag	tgctacaatt	ggtaaaactgc	tagaagttat	ttttagacca	4980
gttttatgta	cttaatatagat	ttctctgtgt	tcccaatagc	tgatgatata	aagccatgtc	5040
cacgatgtgc	tgcttatata	ataaagatga	atgatgggag	ctgcaatcac	atgacatgtg	5100
ctgtttgtgg	ttgtgagttt	tggtgggtgt	gtatgaaaga	aatctcagat	ttgcattatc	5160
taaggtaagc	ttatagaagg	agctattttat	atgtaaatgt	aattttatat	tgtaagacaa	5220
aataacttgt	cttaaatttg	ggttttataa	gatacttaaa	gggattgggt	ttattctagt	5280
taaataaatt	taaaagaaac	caagttatta	tgctagtcac	ttggaattaa	taactagtca	5340
aaataggaaa	tggtatatttc	ctttttttgt	ttttgttaaa	ctagaatgct	agtaagtatg	5400
taataccctg	tgtaattatg	ctagacccat	aaatactttc	atttaatttt	cccatacata	5460
aattttatca	tttaggcaca	gagttagttt	atgatataat	cagataattg	atgcctaaaa	5520
atatgcatgt	tttgcattag	tttactatta	aaaaactgac	ttagggtttt	gaggataatg	5580
gaggactagg	gataaatttt	taacctgaat	ctcagttatc	agtatcttgt	taatataatt	5640
tacagtggtt	cttaccttat	acttcattga	attttcccat	acataaattt	tatcgttttag	5700
gctacagagt	gagtttgtag	tataattcaga	taattaggtc	ctaaaaatat	gcatgttttg	5760
cattaatttta	ctattaaact	gacttaaggg	tattgagggt	atggaagact	agggataaat	5820
ttttaacctg	aatttcagtt	atcagtatct	tgtaaatata	atatagatta	aataataaaa	5880
tataatataa	aataagatat	atcaatatct	tgtaaatata	atttatagt	gttcttacct	5940
tagtttaattg	aactcagaat	ttaaagggga	aaaaagctcc	taactatgag	aagtttttaa	6000
aaatagtcac	tgttttaata	tagtgactca	atttgttatt	gtgggtgttt	gcagcagtta	6060
tttacattat	aattttttcc	gttagtccat	caggatgtac	tttttggggg	aagaaaccct	6120
ggagccgaaa	gaagaaaata	ttgtggcaac	tggaacact	ggttggtgct	cctgtcggaa	6180
tcgctttaat	agctggcatt	gctattcctg	caatgattat	tggcattcct	gtgtatgtgg	6240
gccgaagggt	aaaatgcata	cttcttggtta	gtccattatc	ttattctaaa	tctttagggtg	6300
tattcttttta	gtattgatga	tttttgggtt	tttttttttt	ttttttttta	gacaaagggt	6360
atcttttagtt	tcttcagtat	aaaacagtta	ctcttttttc	ataaattttt	agtgtttggc	6420
aagcatatat	aaatacgtat	aaagcagact	tgcttttaaa	tgttctgaat	ctgaaaattt	6480
tagtatgttt	gtattataaa	actttgagta	taaaatattg	aaggatacac	acctgagatt	6540
tttctcatag	gtatatcctt	gtaaggtcag	gtctatgaga	tctttttaat	gaaagttaat	6600
agctaaataa	cacatgccct	caggcaaaaga	ataattagcc	agttcttgaa	ttatttctgc	6660
tgtagtcca	agcttttttt	ttggattact	gcttttaata	aatacactat	tttgcaattt	6720
ataacaatct	tgtagaaagtc	caaacaccag	tgactaccac	tgccctctaa	ttgatgaatt	6780
atatttcatt	agctaagcaa	atagttcttt	tgtaagggt	taatgggata	atttatgagg	6840
tcctaagaag	tctgttggtg	cctaaattaa	tagaattctc	ggattgagaa	gtaactttca	6900
gtagaatata	gctaaaagaa	aaaaaaaaaga	aattttcttt	ggtatccaag	aagatcaaaa	6960
aaattaaaa	tttttttaaa	aaataaaaag	aaattaatcc	caaccttgta	cccaagcaga	7020
acaaaggata	gcaattttca	aaaagggaac	taacaggcca	ggtgcggtgc	ctcacccttg	7080
taatcttagc	acttttgaag	gctgaggctg	gtggatcatc	tgaggtcagg	agttcaagac	7140
cagcctggcc	aacatgggtga	aaccccatct	ctactaaaaa	tacagaaaaa	attagccagg	7200
catgggtggca	ggtgcctgta	atcccagact	cgggaggctg	aagcaggaga	atcacttgaa	7260
cctgggaggt	ggaggttgcg	gtgaggttag	attgcaccat	tgactccat	cctaggcaac	7320
aagagcaaaa	ctccatctca	aaaaaaaaaaa	aaaagaacta	acaagctggg	catggtggct	7380
tactcctgtc	atcgtagcac	tttgggaggg	tgaggcagaa	ggatcacttg	aggctgggag	7440
ttcaagacca	gcctggacaa	catagtgaga	ccccatctct	caaaaaaatt	taaaaattat	7500
ctgggtatgg	tagtatgcac	ctgtagtccc	agctacttgg	gaggctgagg	tgggaggatt	7560
gcttgagatg	ggcaagtggg	ggctgcagtg	agctgtgatt	gtgccacttc	actccagcct	7620
gggtgataga	gcaagatcct	atctctaaaa	taaaaaaagg	atctaaagg	tgtcatactg	7680
tgtcataggt	gttgtatgta	cttttactta	ttttaaccct	gcagcaacct	cgatatttcg	7740
gtctctgtgt	gttaaaatat	tgagattttag	gaaagtttat	gtaatatatc	ttcagttaca	7800
cacaaagaag	cagatgtgag	atttgaaact	agatgcattg	attcttaata	taagttccat	7860
gattaagttt	cagtagctat	ttgggaactc	agtcattggg	aaaccaccaa	ctcatgaagc	7920

aatccattct	gttgtaaaat	ggctactaat	tgttacaaaa	ttgttacgtt	tgagtcagat	7980
ctgtttcctt	ttgtttcctt	tattttctgtt	tctaacttct	gggacccgac	tggaataaag	8040
gttgatcttc	ttctgtaaaa	cagctgaatt	ttttatatct	aacatacatt	ttataatcag	8100
aaaaataata	tatactatct	cttaaaaaat	agttttgggg	ctgatgacaa	acatattttat	8160
aagtcacata	tttattttctg	aagggttttaa	gtgagtaaac	ctggacttta	aaaaatgttg	8220
ggccatgtgt	ggtggctcat	gcctgtaatc	ctaacacttg	gggaggggtga	ggaagggagga	8280
ttgcattaat	ccaggagttt	gagaccagcc	tgggcaacac	agtgtgacac	cttgtctcta	8340
caaaaaacta	aataatcagc	tgggagtggt	ggtgcatgcc	tgtagccccc	gctattaagg	8400
aagctgggat	gggaggattg	attgagcccg	tgaggttgag	gctacagtga	gctgtgatcg	8460
tgccactgca	ctctagtctg	agcgacacag	agagacccta	tttccaaaaa	agagagaaaa	8520
aataaaaaat	ttcaaaatat	attagctgat	cgtaattttt	catgtagtta	ttcaaagcaa	8580
ggctttgctg	aaaacaaaac	tattcagata	cttagaaggg	aaagagagac	tgttgtacca	8640
catgtaccta	taaatcattt	atagagaaga	gattattttac	ctcattgttc	aggtcatagg	8700
gtacagttac	agatctcctt	ttttcaaaca	tgtaccctaa	gggttgtaaa	tgaatgaatt	8760
agttttccat	tgaataataa	ttctgtgggtg	ctttggggtc	ccaaccagcc	taggaaaacc	8820
tgctaagtc	ataaagtacc	caaaagctga	gccttcactt	aacaataaaa	agtagagaat	8880
gtggcaaaaa	atagtaaaaa	gaaaaattaa	ggtgaaccag	aaatagtggg	ataatgtgat	8940
cactaatcaa	acattgggtgc	ttgaggctga	aaaattttct	agaagactcc	tttctcttgg	9000
cagcctgcct	ttgcaagtct	gctccatcag	ttgtgccttt	tctcttcttc	agtgtctaag	9060
ttcccaggaa	tgggagtggtg	gaggagcagg	aattagctgc	agtgtggaag	gataatgaaa	9120
ggtaccttgg	gaaggtctac	catctctgcc	tgcatggact	gtgtagggaa	gtgaggaggc	9180
tcattgacaa	ggaacctcta	gtcaatgctg	ggaaatggga	ttctgactag	gaaatagaaa	9240
ggtttctgt	cccatacatg	catcacccac	ctcccacccc	aaccttttcta	ctgttttcca	9300
caacactcat	cgtactttac	agccttccaa	aggccaaagg	tgttattata	ccatgtaata	9360
atagattatt	ttataagttc	catctgtagt	attgtttata	agtcattttta	tttttagagag	9420
tccccatact	tttgaggctg	ttttgaattt	gttttggaac	agagggggaa	aatgtgccat	9480
attagccctt	gcaaaccatg	aaaataaaga	tctcaaagtt	catataattt	cacaagccag	9540
tttttaata	ccgcttctat	gatgatata	aattctactt	attaacacct	gtcctgtaca	9600
gagattgctg	agtgaattca	atcctgtctt	ctggtagcca	ttattttatca	tcttttttct	9660
ttctctgcca	tttactttga	gctataaatg	agagccctgg	aatttgagtc	atttgtcaat	9720
attgtcttca	taaaaaggat	ctgagaaaaa	aataatactg	tttattcata	cttgtttatt	9780
agaactgctt	tttaaggctc	atttttaaaa	agaaaccttc	cctagaagcc	aatttttacc	9840
atttagagaa	tattctttag	aaagaaacct	ttagaatgct	ggaagtatcc	tggttggtgaa	9900
ccatgtaact	cataactgtg	ttgaaaaata	taactctaat	ttcttctctt	ttgctcgata	9960
cataattaca	ctacttttga	ttagatttat	aaagatgact	tttactcaga	acttttttgc	10020
acaaagtaaa	atccattaaa	tcactgtctt	aagcaaatta	ataaggagca	aattatttgc	10080
gagaatatat	aatagtttaa	ggacactagt	aggtttacct	tgaactaaga	tactcagcta	10140
cgaacttcta	tgaaaaaatca	cttttagcaag	tatagatctt	tttcaactaa	gttaaattgt	10200
aatgtatttt	ctcttttaate	ccccacccct	atttttatta	attcaagatt	cacaatcgct	10260
atgaaggcaa	ggatgtttca	aagcacaaaac	ggaatttggtc	catagcaggt	ggtgtaacgt	10320
tgctgttaat	cgtgtctcca	gtagtgtctg	cagtgtactgt	aggtaagaaa	atgctgaaaa	10380
gtactaatta	cctacaattt	tatggagtga	aagttttgtg	gaaggatttt	ttttaattgt	10440
tttttaattt	gaggacaatt	taaattgagc	ctgcagtaag	tcttggttga	aagtattaca	10500
gattcaagag	cctagcctta	aagtagttgg	taaattgtta	gtggctgata	cccttctctc	10560
ccactccacc	ccaagtacag	ttcggaggcc	tggcacttca	aaagaaaaaa	gtttgcatct	10620
ctctcttttt	ccccttatgt	gcattacctg	aaaggctggg	aaccttgaat	ttgcttaaca	10680
actgggtaaa	tctacttttg	gcaaattgtt	cagccaactc	ttcagaacct	tggcgctttt	10740
ctctgtatga	ctctcttgaa	aagactttct	aaaactcatg	tttctgtgag	ttattttgtt	10800
gttggtgttt	gtaatgactg	atttaatttc	tcttttaggt	tgggtgttcc	tattatgtta	10860
gcttatgtct	atggcgtagt	tccaatttct	ctttgtcgaa	gcggagggtg	tggagtctca	10920
gcaggcaatg	gaaaaggagt	taggattgaa	tttgatgatg	aaaatgat	aaatgttgg	10980
ggaactaaca	cagctgtagg	taagtccttt	aagcaaagga	agaaaatgtg	cttattaaca	11040
gtgtaagtag	tggggaggcc	agagataaca	tgcaactcag	aatttccatt	gccatccttt	11100
tactaggcct	aatagtattc	attcagaagt	acataagtga	ataaactgcc	aaggaggagt	11160
gtatggatga	aagagggtgg	ggtaattctg	ggtatctgac	ctctaattgg	aatataatgt	11220
cttagaaatc	ataaactttt	catcttaaat	tttgcttgaa	acattataaa	taactaagta	11280
aaggatatga	agaggaatac	agttaataaa	agaaatacgg	atgaccaata	atacaaaaat	11340
atcttcaact	caatgtttatt	caaagaaatg	tgaattagaa	cagtaacgag	caaagattaa	11400
gaagaataaaa	aaagccttca	tagactgcct	ataggagtat	gtcaataaac	cttttttaaa	11460
aagtgcattg	tctatattct	agcaattctt	gttttagaaa	tttgtcatag	ggaaataaatt	11520
aggcagatgt	gtaaagataa	tgccactctt	cttacctctt	atcttctctt	gaactggcct	11580

caatcagatt	tttgtcccta	ccactccaga	atthttattht	tgctattcac	tgaagcagag	11640
tcaccagtgg	cctccacgta	acctaataca	gtgggtcaggt	cttgggtcctc	atcttaacag	11700
tatatccgac	atggtagaga	ctctaccctt	cttgaaatac	ttcactttttc	ttatgggaaa	11760
ccactttctta	ccatattttcc	tggccagtc	gtctcattaa	tctttgtctgg	ttcatttttcc	11820
tctttctgacc	tctaaatgtt	tgthccccag	agctcagttc	tcagaattct	tatgtatcta	11880
cactttttccc	ctaattctcat	ctattaaata	atgcatagac	cgacctctcc	cctgaacttc	11940
aaacttgc	gtgtaacttt	cctctttaat	ctgcacttga	gtgtctaaca	agaattttcaa	12000
gcttaacttg	tctacagcca	aattcttggc	tctaaaatct	cttcttccct	tcactctcct	12060
taactcaata	agtagcttct	ccattctctc	tgthgcttgg	gccaaaaacc	ttcacttaac	12120
aatgcctccc	tcttttccct	cttgtctctac	atctgattga	tctgtcagca	aattctgctg	12180
cttcttcaa	tatttagcca	taatccagcc	acttcttact	ctcttctgtg	tccttccctt	12240
agtccaagct	accatctct	ttcctgggct	attgtaatag	cctcttaact	gctgtatcaa	12300
cttctcagct	tctattcact	agtccatagt	gcagccatag	tcacatgtct	aaacctgtc	12360
agattataac	tttcttatgc	tcaaaacttc	cccagtggt	tctaactgta	ctggggaaga	12420
aaatccaaag	tccttatcat	agcccaaaag	gccccacatg	atctgcccc	actatgtctc	12480
tgagctcatc	tctgttcacc	ctcttatttt	ataccactct	tgcttgattt	ttgagggtgc	12540
caagcattat	cctacttcta	ggcttttaaa	ctggcagttc	tctgtctgga	atactctttc	12600
cctagaaaat	ttcatgactc	actgttttac	ttcatttgtc	tctacaagta	ttaccttacc	12660
aaagaggcct	tctgtcatca	catcatataa	aatgggtcac	agacatgtac	gtacatgcac	12720
ttttcatcac	tctcctcccc	tttactctct	tgtatttttc	ctcatagcat	ttgtcaccgt	12780
gtgattgggt	atataatagg	aactcaaata	ttgggtgcaa	taagtgactc	cttaatacaa	12840
aatgtgtgag	aggtactgta	aaattggaac	atagtgttat	cagatcttaa	taatagcttg	12900
tagacagaac	tgtggcatat	atctagaaat	caacttttag	cctattctta	ctgacctaga	12960
gaataataag	ctctttaaat	gacaccctta	atgaaaactg	tcacataatt	ttcctctaaa	13020
gtcagcgata	ttttttaaca	atcatattct	ttatagaatt	cctaaatctg	ggtttttgaa	13080
aaaagaaact	agtgaccatt	taaaattggt	ggctctattc	ccactgcttc	tagtggacta	13140
gcctgaaaaa	aatatttttc	catgtctgct	tatatthttat	accttatata	atgtctctc	13200
tgaaatcatg	gaggaattta	agaaggagaa	aattgataat	catacttact	tagtttcttt	13260
ggaatatttg	catttagaca	caacatcagt	agcagaagca	agacacaacc	caagcatagg	13320
ggagggaagt	gttggtgggc	tgactggcag	tttgagtgca	agtgggaagcc	acatggatcg	13380
aataggagcc	atccgagaca	acctgagtga	aacggccagc	accatggcac	tagctggagc	13440
cagtataacg	gggagtctgt	caggaagtgc	catggtaaac	tgthtttaaca	gggtgtgtgt	13500
ttggthttgt	ttgttctgtc	tttctggtaa	ctacaaatta	ttaattaggt	gagaattttg	13560
aacataaaagc	atgatgatta	tatataacc	tactatgtca	aggthcaaaa	tagtaatgtt	13620
aaaaatgaaa	tttggggcca	ggtgcagtgg	ctcacgcctg	taatcccagc	atgttgggaa	13680
gccaaagcag	gtggattgcc	tgagctcagg	agthtcgagac	cagcctgggc	aacatggcga	13740
aacccccatct	ctactaaaaa	aatataaaaa	attagccgga	tttgggtggca	tgcacctgta	13800
gtcccagctg	gtcgggaggc	tgaggtagga	ggatcacttg	agcctgggag	ttggaggctg	13860
cagtcagcca	agatcacacc	actgagctcc	aacctgagtg	acagtgagac	cctgtctcaa	13920
aaaaaaaa						13928

<210> 12730  
 <211> 10956  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5272)  
 <223> n equals a,t,g, or c

<400> 12730						
acaagagaga	gccagagct	tacgtttgag	aactatacgt	tcttcatcca	ttagttatag	60
tcaagagtct	ggagcagcag	gtattttatgt	ctaatttttt	ctaataaaaat	atthtgacaca	120
aaacactagt	tatttttaact	tttttaaagtt	aagtatttct	gtthttccttt	cacttgccga	180
aagtgttttt	aagtgcattt	ctatcccaga	agcactcatt	ctthtctatg	gaagaaagtg	240
gttctgaaat	tagaaagatt	atactgtcca	ggaaaaaagg	aagtgtttgtg	atgatttata	300
taactgatag	caaagatag	tctgaaactg	ttgattataa	aggatctgt	ccaggatagg	360
tagctcactc	ctgtaatccc	agtacttttg	gaggctgagg	cgggccgacc	acttaaggcc	420
aggagtcca	gaacggcctg	ggctacgtgg	tgaacccca	tctctactaa	aaataattta	480

tattcctgcc	agcagtgtat	tgagataatc	atgtacttta	tgctactaga	aaaaaagtca	540
catgaaat	taacacagaa	tgttcgacat	ttaatacttt	tgtaacataa	atgttttttt	600
atacttggtt	gctgattgat	ttgcttctct	ttcctaaga	tttgtggaac	tcagtagtat	660
tagtggtta	ttgtaggtat	gggtccagaa	gcaattcaga	gaggacctga	atatacctaa	720
actgttccct	gaagagtcag	cagtagccat	tgggtagttc	acttggaat	gatattcctc	780
tcttccaagt	tgggggtgtg	tatttatttg	tcacagaaca	cacagtcata	cagagcaaga	840
gagaatgact	ctggaatcag	actgcctgaa	ttcaaatccc	acattctcta	cttactccgt	900
gagcaatcct	gagcaagtta	cttgtctcat	ctttaaaata	aagatactgg	ccagtcacgg	960
tggctcatgc	ctgtaatccc	agcactctgg	gagctctgagg	caggcgaatc	acttgagatc	1020
aggggttcaa	gaccagcctg	ggcaacatgg	tgaaccctg	tctccactaa	aaaaatacaa	1080
aaattagctg	ggcgtggtgg	cgggcgcctg	taatccccag	ctactcggga	ggtgaggcag	1140
gagaatcact	tgaaccagg	aggcagaggt	tgcagtgagc	cgagattgtg	ccactgccct	1200
ccagcctgga	tgacagagtg	agactccatc	tcaaaaaata	ataatgatga	taataataaaa	1260
ataaagatac	taataatgct	tatgtccata	tagttgaaat	agttcctggc	tcatagtaag	1320
tgcttttgct	atatgaggta	ggggacctta	gagaaaccac	agtcactttc	tagagattta	1380
agtatgtctg	ggctatcatt	aaattaaaaa	acgacagaaa	tggcttttat	tatttttttaa	1440
aataaatcat	gatttagtta	tccaaatgaa	tattggtctt	cctcaacgta	gtcaccatgg	1500
gagtttttgt	gtttatttca	gcagtgtctc	cctggaatgc	ctcattggca	taacttttag	1560
gatagtctag	cttagtatca	gtttgatttc	tgagaatgac	taaaagttgc	tttagagcca	1620
agtctagcag	ctagagtatc	ataccaggtt	ggattattgg	tttgggtatag	atgcaaagta	1680
agatgtgact	atatgatcat	gagtgatttt	tcttttatct	aaaggagctt	tgagggtaat	1740
tatgaaagaa	aaccttacca	aatgctttta	gccgaacaat	aacattgttg	gaataaatag	1800
tctcaaggcg	attgttttaa	aaaaaaactt	catttggaat	ttgttccatg	tttgtttaaa	1860
aatcttggct	gggcgcaatg	gtcacacctt	gtaatcccag	cactttggga	ggccaaggca	1920
ggaggatcgc	ttgagcccag	gagttctgaga	ccagcctagg	caatgtggcg	agactccttc	1980
tctacaaaaa	atttaaaaaa	ttagccgggc	gtgggtatgg	gcactctctg	tcccagcaag	2040
ccaggaggct	gaggtgggag	gatcgtttga	gcctagggaag	tcaaagctgc	aatgaaatat	2100
gattgtgcc	ctgactcca	gcctgggtga	cagagtgaga	ccctgtttcc	aaaaacaaga	2160
ggaagaatta	gaaatgcagt	gaggggccc	gcgcagtggc	ttatgcctat	aattccagca	2220
ctttggggagg	ccaaagcggc	cagattgctt	gagctcagaa	gttctaaaac	ttcaacagcc	2280
tgggcaacat	ggtgaaatcc	cgtctctact	aaaaatacaa	aaattagcca	ggcgtggtgg	2340
tgtgcatctc	tagtggtgtg	tgccagctac	ttgggagatt	gaagtggagg	attgcttgac	2400
cccaggaggt	ggaggttgca	gtgagctgcc	attgtgctac	tgcatgctag	cctgagcgac	2460
agaacaagac	cctatttaatt	taaaaaaaaa	aaaaagtgtg	gtgaacttgg	cttctcgcag	2520
actcgtagaa	agttaaaaag	gaagctacca	tctaaatggt	tttattatta	ttccagatat	2580
tttgggtattg	ttttctgtat	catgatagtc	taaaaaacta	gttttacttt	taataattaat	2640
tggtataata	attagttgtt	ttttttcccc	agtcactgaa	gatgtgtgct	tagttacata	2700
aagtacatta	atattttgtg	ttataaaaata	atacaatatt	tatagtataa	tgtttatata	2760
tgtgttttaa	ttgtgacagc	actgcatcca	cttgaggctc	ttttttatag	ctactaggag	2820
gtttaggcac	ttggagttaa	atttttaaag	aaccacatat	ttttcatttt	tgttaatgta	2880
gttttcccat	tttatgcaaa	taaaatattt	aattggctct	ccactcctgc	ctctgtcccc	2940
ttaccgctac	caccctaaga	gattatcatt	gttaacattt	gaggacatgg	tgttttgtaa	3000
cctgttggtt	tttcttaata	tgacaatggc	ccatatttta	gcagtaaaaa	aaaagataca	3060
gaagatgaaa	gcttagccaa	acactgtaaa	tagaaatggg	aagctttttc	atatcgggga	3120
acgggtggct	aattgattct	tgggggaatg	gggatcaact	aaccataaac	aatttcattt	3180
aggatttttg	catcatgagg	gtatttgagg	agaaatatat	catcctataa	tgtgcacagt	3240
aagttttttcc	taattttgtt	ctttgaggaa	agacacaaa	caaactaaac	agcctttcat	3300
agataaataa	gtatacagag	agtgaagat	atgggtacaa	gtatatagag	acctatcaaa	3360
aatacattgc	ttgtgggtatt	aattctcatg	tgtgatttta	gcatattaaa	aggctgtttt	3420
gtgttttttag	aaccataaga	ataaatgggg	atgttacctt	tcagtttggt	ccaaagattg	3480
catgcatcat	taccaaagct	tgagtctttt	tactcccctg	tcttggtgag	atacctacta	3540
cttgagcata	ctctggaatg	agaaagttta	tcgattaaca	tgctgcttac	gcagatagga	3600
ttagcatttc	cttaattttag	tataccacgt	gttgatcatg	gcataaaagc	cagctttttt	3660
tagtcatacc	ccaatgttta	aaattgttaa	atgcagactt	catgttcttt	tgatcattta	3720
aatcatgaca	tggatatttt	taattttttat	attctagtaa	ttatcaattg	tcttggtctg	3780
gctgcttaga	gtatcagttt	gctcaaaaat	gcttgaatca	ttaaagcaaa	tactaattgt	3840
gagcattgac	cagatcttaa	gttaaaaaaa	aaaaaaaagc	atcttttggtc	ctagaagaag	3900
tgctaaggaa	acctgaatta	actgataaag	cacaggtaaa	gtttgaccat	aaaacttgta	3960
gaaagaatgg	aatatagctt	aatgcttata	atgtaagaca	ttggaacaaa	tacttaattt	4020
cagtggttag	cactataaat	atcttttctt	aactgtgagt	agttggaaaa	tatagctggc	4080
taatagtaat	tacaagttac	tattttaaaca	gatgccaaca	tgcaaagtag	ttgtataatt	4140

ttcctaaagt	tatgttacac	ttgattttta	cttgacgcca	ttgtgcattg	taaccatatt	4200
attatacaag	gagcatagac	caacaacagt	tgagtaaagt	ggtgaataaa	tgaataaaaa	4260
ggataaacac	aactaattta	aaagtcatga	gcataactaa	caatgattgc	ttttattctg	4320
aaactgtttt	ccatggttta	taacgttcat	agccatatga	cccttcctta	atctcttcct	4380
tccttccttg	tattttgggt	actgattcct	tgcaaggctc	atctctcttt	tgtgtgaagt	4440
aaaatactgg	gaaaaggctg	cttttctaaa	gatacctgtt	ttgctatttt	tatagtgcct	4500
ataactgatg	taattagaag	aaataaaatt	atagtgcctt	ggatatagca	cctcagatta	4560
atatcaaatt	gtcacctcct	gttagtggtc	attcactaaa	ggaatagtgt	acagaacgtg	4620
tacatttgaa	ttaagggaag	atggttagaa	aagttctgga	accgggaact	accattcaga	4680
agacttctat	gggaccagga	caaagacaaa	ctttacgtag	ttcacaattt	gcctagagct	4740
gtccttgatt	ctcctttctc	tttttattct	ttttttattc	tttgttctca	ttgttttact	4800
actatgtttt	aaaaatgttt	ataacttgat	attttaatgt	aaagtatgtt	ttcttagaag	4860
ggaagaaaaa	atgctttata	tactaaaaac	agcaggctga	agctataagt	taacaaacta	4920
catcttaaga	ttttttgaca	gtgctacaat	tggtaaaactg	ctagaagtta	tttttagacc	4980
agttttatgt	acttaataga	tttctctgtg	ttcccaatag	ctgatgatat	aaagccatgt	5040
ccacgatgtg	ctgcttatat	aataaagatg	aatgatggga	gctgcaatca	catgacatgt	5100
gctgtttgtg	gttgtgagtt	ttgttggttg	tgtatgaaag	aaatctcaga	tttgcttaat	5160
ctaaggtaag	cttatagaag	gagctattta	tatgtaaaatg	taattttata	ttgtaagaca	5220
aaataacttg	tcttaaat	gggttttata	agatacttaa	agggattggg	tntattctag	5280
ttaaataatt	taaaagaaac	caagttatta	tgctagtcat	ttggaattaa	taactagtca	5340
aagtaggaaa	tggatatttc	ctttttttgt	ttttgttaaa	ctagaatgct	agtaagtatg	5400
taataccctg	tgtaattatg	ctagacccat	aaatactttc	atttattttc	ccatacataa	5460
attttatcat	ttaggcacag	agttagttta	tgatataatc	agataaattga	tgccataaaaa	5520
tatgcatggt	ttgcattagt	ttactattaa	aaaactgact	taaggggttg	aggataatgg	5580
aggactaggg	ataaat	aacctgaatt	tcagttatca	gtatcttggt	aatataattt	5640
acagtgggtc	ttacctata	cttcattgaa	ttttcccata	cataaatttt	atcgtttagg	5700
ctacagagtg	agtttgtgat	ataatcagat	aattgatgcc	taaaaaatatg	catgttttgc	5760
attaattttac	tattaaactg	acttaagggt	atgagggtaa	tggaagacta	gggataaatt	5820
tttaacctga	atttcagtta	tcagtatctt	gttaatatata	tatagattaa	ataataaaat	5880
ataatataaa	ataagatata	tcaatatctt	gttaatatata	tttatagtgg	ttcttacctt	5940
agttttatga	actcagaatt	taaaggggaa	aaaagctcct	aactatgaaa	agtttttaaa	6000
aatagtcatg	gttttaatat	attgcacaaa	ttttgttatt	gtgggtgtttt	gcagcagtta	6060
tttacattat	aatttttcctg	ttagtccatc	aggatgtact	tttgggggaa	gaaaccctgg	6120
agccgaagaa	agaaaatatt	gtggcaactg	ggaacactgg	ttgggtgctcc	tgctcggaatc	6180
gctttaatag	ctggcattgc	tattcctgca	atgattattg	gcattcctgt	gtatgtgggc	6240
cgcaaggtaa	aatgcatact	tcttgttagt	ccattatctt	attctaaatc	tttagtgta	6300
ttcttttagt	attgatgatt	tttgggtttt	tttttttttt	tttttagaca	aagggtatct	6360
ttagtttctt	cagtataaaa	cagttactct	tttttcataa	attttttagtg	tttggcaagc	6420
atatataaat	acgtataaag	cagacttgct	ttaaaatggt	ctgaatctga	aaattttagt	6480
atgtttgtat	tataaaactt	tgagtataaa	atattgaagg	atacacacct	gagatttttc	6540
tcataggtat	atccttgtaa	ggtcaggctt	atgagatctt	tttaatgaaa	gttaatatagct	6600
aaataacaca	tgccctcagg	caaagaataa	ttagccagtt	cttgaattat	ttctgctgta	6660
gttcaaagct	ttttttttgg	attactgctt	tttaataata	cactattttg	caaattataa	6720
caatcttgtg	aaagtccaaa	caccagtgc	taccactggc	ctctaattga	tgaattatat	6780
ttcattagct	aagcaaatag	ttcttttgtt	aaggggtta	gggataattt	atgaggctcct	6840
aagaagtctg	ttgttgccct	aattaataga	atctctggat	tgagaagtaa	ctttcagtag	6900
aatatagcta	aaagaaaaaa	aaaagaaatt	ttctttggta	tccaagaaga	tcaaaaaaat	6960
taaaactttt	tttaaaaaat	aaaaagaaat	taatcccaac	cttgtagcca	agcagaacaa	7020
aggatagcaa	ttttcaaaaa	gggaactaac	aggccagggtg	cgggtgcctca	cccctgtaat	7080
cttagcactt	tggaaggctg	aggctgggtg	atcatctgag	gtcaggaggt	caagaccagc	7140
ctggccaaca	tggtgaaacc	ccatctctac	taaaaataca	gaaaaaatta	gccaggcatg	7200
gtggcagggtg	cctgtaatcc	cagactcggg	aggctgaagc	aggagaatca	cttgaacctg	7260
ggaggtggag	gttgcggtga	gctgagattg	caccattgca	ctccatccta	ggcaacaaga	7320
gcaaaactcc	atctcaaaaa	aaaaaaaaaa	agaactaaca	agctgggcat	gggtggcttac	7380
tcctgtcatc	gtagcacttt	gggaggctga	ggcagaagga	tcacttgagg	ctgggagttc	7440
aagaccagcc	tggacaacat	agttagaccc	catctctcaa	aaaaatttaa	aaattatctg	7500
ggtatggtag	tatgcacctg	tagtcccagc	tacttgggag	gctgagggtg	gaggattgct	7560
tgagatgggc	aagtggaggc	tgcagtgcgc	tgtgattgtg	ccacttcact	ccagcctggg	7620
tgatagagca	agatcctatc	tctaaaataa	aaaaaggatc	taaaggttgt	catactgtgt	7680
cataggtgtt	gtatgtactt	ttacttattt	taaccctgca	gcaacctcga	tatttcgggtc	7740
tctgtgtgtt	aaaatattga	gatttaggaa	agtttatgta	atatatcttc	agttacacac	7800



aaagaagcag	agctgagatt	tgaactcaga	tgcattgaatt	cttaatatata	gttccatgat	7860
taagtttcag	tagctatatt	ggaactcagt	catggggaaa	ccaccaactc	atgaagcaat	7920
ccattctgtt	gtaaaatggc	tactaattgt	tacaaaattg	ttacgtttga	gtcagatctg	7980
tttccttttg	tttcctttat	ttctgtttct	aacttctggg	acccgactgg	gaataagggt	8040
gatcttcttc	tgtaaaacag	ctgaattttt	tatattcaac	atacatttta	taatcagaaa	8100
aataatatat	actattttct	aaaaattagt	tttggggctg	atgacaaaca	tattttattg	8160
tcacatatat	acttctgaag	gttttaagt	agtaaacctg	gactttaaaa	aatgttgggc	8220
catgtgtggt	ggctcatgcc	tgtaatccta	acacttgggg	aggggtgagga	gggaggattg	8280
cattaatcca	ggagtttgag	accagcctgg	gcaacacagt	gtgacacctt	gtctctacaa	8340
aaaactaaat	aatcagctgg	gagtgggtgt	gcatgcctgt	agcccccgct	attaaggaag	8400
ctgggatggg	aggattgatt	gagcccgtga	gggtgaggct	acagtgagct	gtgatcgtgc	8460
cactgcactc	tagtctgagc	gacacagaga	gaccctattt	ccaaaaaaga	gagaaaaaat	8520
aaaaaatatt	aaattatatt	agctgatcgt	aattttttcat	gtagttattc	aaagcaaggc	8580
tttgctgaaa	acaaaactat	tcagatactt	agaagggaaa	gagagactgt	tgtaccacat	8640
gtacctataa	atcattttata	gagaagagat	tattttacct	attgttcagg	tcatagggtg	8700
cagttacaga	tctccttttt	tcaaacatgt	acccaaaggg	ttgtaaatga	atgaattagt	8760
tttccattga	aataatatat	tgtggtgctt	tgggatccca	accagcctag	gaaaacctgc	8820
tgagtcaata	aagtacccaa	aagctgagcc	ttcacttaac	aataaaaaagt	agagaatgtg	8880
gcaaaaaata	gtaaacagaa	aaattaagtt	gaaccagaaa	tagtgggata	atgtgatcac	8940
taatcaaaaa	ttgggtgctt	aggctgaaaa	atttttctaga	agactccttt	ctcttggcag	9000
cctgcctttg	caagtctgct	ccatcagttg	tgccttttct	cttcttcagt	gctaagtttc	9060
ccaggaatgg	gagtggggag	gagcaggaat	tagctgcagt	gctgaaggat	aatgaaaggt	9120
accttgggaa	ggtctacat	ctctgcctgc	atggactgtg	taggggaagt	aggaggctca	9180
ttgacaagga	acctctagtc	aatgctggga	aatgggattc	tgactaggaa	atagaaaggt	9240
ttcttgtccc	atacatgcat	caccacctc	ccaccccaac	ctttctactg	ttttccacaa	9300
cactcatcgt	actttacagc	cttccaaagg	ccaaagggtg	tgttatacca	tgtaataata	9360
gattatttta	taagtcccat	ctgtagtatt	gtttataagt	catttttatt	tagagagtcc	9420
ccatactttt	gaggctgttt	tgaatttggt	ttggaacaga	gggggaaaaat	gtgccatatt	9480
agcccttgca	aaccatgaaa	ataaagatct	caaagttcat	ataatttcac	aagccagttt	9540
ttaatcaccg	cttctatgat	gatatacaat	tctacttatt	aacacctgtc	ctgtacagag	9600
attgctgagt	gaattcagtc	ctgtcttctg	gtagccatta	tttatcatct	tttttctttc	9660
tctgccattt	actttgagct	ataaatgaga	gccctggaat	ttgagtcatt	tgtcaatatt	9720
gtcttcataa	aaaggatctg	agaaaaaaat	aatactgttt	attcatactt	gtttattaga	9780
actgcttttt	aagggtcaatt	tttaaaaaga	aaccttccct	agaagccaat	ttttaccatt	9840
tagagaatat	tctttagaaa	gaaaccttta	gaatgctgga	agtatcctgt	tgggtgaacca	9900
tgtaactcat	aactgtgttg	aaaataataa	tcttaatttc	ttcctctttg	ctcgatacat	9960
aattacacta	cttttgatta	agattataaa	gatgactttt	actcagaact	tttaagcaca	10020
aagtaaaatc	cattaaatca	ctgtcttaag	caaattaata	aggagcaaat	tatttgtgag	10080
aatatataat	agtttaagga	cactagtagg	tttaccttga	actaagatac	tcagctacga	10140
acttctatga	aaaatcactt	tagcaagtat	agatcttttt	caactaagtt	aaattgtaat	10200
gtattttctc	tttaatcccc	caccctattt	tttattaatt	caagattcac	aatcgctatg	10260
aaggcaagga	tgtttcaaa	cacaaacgga	atttggccat	agcagggtgt	gtaacgttgt	10320
ctgtaatcgt	gtctccagta	gtagctgcag	tgactgtagg	taagaaaatg	ctgaaaagta	10380
ctaattacct	acaattttat	ggagttaaag	ttttgtggaa	ggattttttt	taattgtttt	10440
tttaatttgag	gacaatttaa	attgagcctg	cagtaagtct	tgggtgaaag	tattacagat	10500
tcaagagcct	agccttaaag	tagttggtaa	attgttagtg	gctgataccc	ttcctcccca	10560
ctccacccca	agtacagttc	agaggcctgg	cacttcaaaa	gaaaaaagtt	tgcatctctc	10620
tctttttccc	cttatgtgca	ttacctgaaa	ggctgggaac	cttgaaattg	cttaacaact	10680
gggtaaatct	acttttggca	aatgtttccag	ccaactcttc	agaaccctgg	cgctttttct	10740
tgtatgactc	tcttgaaaag	actttctcaa	actcatgttt	ctgtgagtta	ttttgttgtt	10800
gttggtttgta	atgactgatt	taatttctct	ttaggtagtc	gtgttcctat	tatgttagct	10860
tatgtctatg	gcgtagttcc	aatttctctt	tgtcgaagcg	gaggttgtgg	agtctcagca	10920
ggcaatggaa	aaggagttag	gattgaattt	gatgat			10956

<210> 12731

<211> 760

<212> DNA

<213> Homo sapiens

<400> 12731

ggaaaagttaa	tgtaatatat	cttcagttac	acacaaagaa	gcagagctga	gatttgaact	60
cagatgcatg	aattcttaat	ataagttcca	tgattaagtt	tcagtagcta	tttgggaact	120
cagtcatggg	gaaaccacca	actcatgaag	caatccattc	tggtgtaaaa	tggctactaa	180
ttgttacaaa	attgttacgt	ttgagtcaga	tctgtttcct	tttgtttcct	ttatttctgt	240
ttctaacttc	tgggacccga	ctgggaataa	ggttgatctt	cttctgtaaa	acagctgaat	300
tttttatatt	caacatacat	tttataatca	gaaaaataat	atatactatt	tcttaaaaaat	360
tagttttggg	gctgatgaca	aacatattta	taagtcacat	atatttttct	gaaggtttta	420
agtgagtaaa	cctggacttt	aaaaaatggt	gggccatgtg	tggtggctca	tgcctgtaat	480
cctaacactt	ggggagggtg	aggaggagg	attgcattaa	tccaggagtt	tgagaccagc	540
ctgggcaaca	cagtgtgaca	ccttgtctct	acaaaaaact	aaataatcag	ctgggagtg	600
tggtgcatgc	ctgtaccccc	cgctattaag	gaagctggga	tgggaggatt	gattgagccc	660
gtgaggttga	ggctacagtg	agctgtgatc	gtgccactgc	actctagtct	gagcgacaca	720
gagagaccct	atttccaaaa	aagagagaaa	aaataaaaaa			760

<210> 12732  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 12732						
cttaaatattt	attgacagct	ctgaaaactc	ccctaaattt	ccaggcaaaa	ggaaatgttt	60
agtattttaca	aaagacatgc	attgataaaa	cttgattggt	gctgctttca	aagcaaacta	120
gaaactttcta	gaaattttta	aattgaaagt	tttatagagg	taatggtaga	ttcacatgca	180
gttgtaagaa	ataattcaga	gacgtatgt	acctttctca	ctgtttgtct	cggtgggtgcc	240
attttgcaca	agttatagaa	caatatcaga	accaggatat	tggcatagac	acaatctacc	300
aatctcactc	aaatttcctg	atttacttct	agttatttct	gcacagtgtg	tttagttata	360
tgtattttat	catgtttaag	tttgtgtatc	caccaccaca	gtcaagatac	tgaacagttc	420
ca						422

<210> 12733  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 12733						
cttaaatattt	attgacagct	ctgaaaactc	ccctaaattt	ccaggcaaaa	ggaaatgttt	60
agtattttaca	aaagacatgc	attgataaaa	cttgattggt	gctgctttca	aagcaaacta	120
gaaactttcta	gaaattttta	aattgaaagt	tttatagagg	taatggtaga	ttcacatgca	180
gttgtaagaa	ataattcaga	gacgtatgt	acctttctca	ctgtttgtct	cggtgggtgcc	240
attttgcaca	agttatagaa	caatatcaga	accaggatat	tggcatagac	acaatctacc	300
aatctcactc	aaatttcctg	atttacttct	agttatttct	gcacagtgtg	tttagttata	360
tgtattttat	catgtttaag	tttgtgtatc	caccaccaca	gtcaagatac	tgaacagttc	420
ca						422

<210> 12734  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 12734						
acatgatgaa	accccatctc	tactaaaaat	acagaaaaaa	ttagccaggc	atggtggcag	60
gtgcctgtaa	tcccagactc	gggaggctga	agcaggagaa	tcacttgaac	ctgggagggtg	120
gaggttgcgg	tgagctgaaa	ttgcaccatt	gcactccatc	ctaggcaaca	agagcaaaac	180
tccatctca						189

<210> 12735  
 <211> 6784

<212> DNA  
<213> Homo sapiens

<400> 12735

ttaatcccc	acccttattt	ttattaattc	aagattcaca	atcgctatga	aggcaaggat	60
gtttcaaagc	acaaacggaa	tttggccata	gcaggtgggtg	taacgttggtc	tgtaatcgtg	120
tctccagtag	tagctgcagt	gactgtaggt	aagaaaatgc	tgaaaagtac	taattaccta	180
caattttatg	gagttaaagt	tttgtggaag	gatttttttt	aattgttttt	taatttgagg	240
acaatttaaa	ttgagcctgc	agtaagtctt	ggttgaaagt	attacagatt	caagagccta	300
gccttaaagt	agttggtaaa	ttgttagtgg	ctgataccct	tcctccccac	tccaccccaa	360
gtacagttcg	gaggcctggc	acttcaaaag	aaaaaagttt	gcatctctct	ctttttcccc	420
ttatgtgcat	tacctgaaag	gctgggaacc	ttgaatttgc	ttaacaactg	ggtaaactcta	480
cttttggcaa	atgttccagc	caactcttca	gaaccctggc	gcttttctct	gtatgactct	540
cttgaaaaga	ctttctaaaa	ctcatgtttc	tgtgagttat	tttgtttgtg	ttgtttgtaa	600
tgactgattt	aatttctctt	taggtatcgg	tgttcctatt	atgttagctt	atgtctatgg	660
cgtagttcca	atttctcttt	gtcgaagcgg	agggtgtgga	gtctcagcag	gcaatggaaa	720
aggagttagg	attgaatttg	atgatgaaaa	tgatataaat	gttggtggaa	ctaacacagc	780
tgtaggtaag	tcctttaagc	aaaggaagaa	aatgtgctta	ttaacagtgt	aagtagtggg	840
gaggccagag	ataacatgca	actcagaatt	tccattgcca	tccttttact	aggcctaata	900
gtattcattc	agaagtacat	aagtgaataa	actgccaaag	aggagtgtat	ggatgaaaga	960
ggtgggggta	attctgggta	tctgacctct	aattggaata	taatgtctta	gaaatcataa	1020
acttttcatc	ttaaattttg	cctgaaacat	tataaataac	taagtaaagg	atatgaagag	1080
gaatacagtt	aataaaaagaa	atacggatga	ccaataatac	aaaaatatct	tcaactcaat	1140
gttattcaaa	gaaatgtgaa	ttagaacagt	aacgagcaaa	gattaagaag	aataaaaaag	1200
ccttcataga	ctgcctatag	gagtatgtca	ataaaccttt	tttaaaaagt	gcatgttcta	1260
tattctagca	attcttgttt	tagaaatttg	tcataggtaa	ataattagga	agatgtgtaa	1320
agataatgcc	tactttctta	cctcttattt	tctcttgaac	tggcctcaat	cagatttttg	1380
tccctaccac	tccagaattt	tatttctgct	attcactgaa	gcagagtcac	cagtggcctc	1440
cacgtaacct	aatacagtgg	tcaggtcttg	gtcctcatct	taacagtata	tccgacatgg	1500
tagagactct	acccttcttg	aaatacttca	cttttcttat	gggaaaccac	ttcttaccat	1560
atttcctggc	cagtccgtct	cattaatctt	tgctgggtca	ttttcctctt	ctgacctcta	1620
aatgttttgt	cccagagct	cagtctcag	aattcttatg	tatctacact	tttcccctaa	1680
tctcatctat	taaataatgc	atagaccgac	ctctcccctg	aacttcaaac	ttgcatgtgt	1740
aactttcttc	tttaatctgc	acttgagtgt	ctaacaagaa	tttcaagctt	aacttgtcta	1800
cagccaaatt	cttggctcta	aaatctcttc	ttcccttcat	cctccttaac	tcaataagta	1860
gcttctccat	tctctctgtt	gcttgggcca	aaaaccttca	cttaacaatg	cctccctctt	1920
ttccctcttg	tctacatct	gattgatctg	tcagcaaatt	ctgctgcttc	cttcaatatt	1980
tagccataat	ccagccactt	cttactctct	tcgttgtcct	tcccttagtc	caagctacca	2040
tctcttttcc	tgggctattg	taatagcctc	ttaaactgctg	tatcaacttc	tcagcttcta	2100
ttcactagtc	catagtgcag	ccatagtcac	atgtctaaac	cctgtcagat	tataactttc	2160
ttatgtctaa	aacttcccc	gtggcttcta	actgtactgg	ggaagaaaat	ccaaagtccct	2220
tatcatagcc	caaaaggccc	cacatgatct	gcccaacta	tgtctctgag	ctcatctctt	2280
gtcacctctc	tattttatac	cactcttggc	tgatttttga	gggtgccaaag	cattatccta	2340
cttctaagct	tttaaactgg	cagttctctg	tctggaatac	tctttcccta	gaaaatttca	2400
tgactcactg	ttttacttca	tttgtctcta	caagtattac	cttatcaaag	aggccttctg	2460
tcatcacatc	atataaaaatg	gtcacagac	atgtacgtac	atgcactttt	catcactctc	2520
ctccccctta	ctctcttgtg	tttttccctc	tagcatttgt	caccgtgtga	ttgggtatat	2580
aataggaact	caaatatttg	tgcaaaataag	tgactcctta	atacaaaaatg	tgtgagaggt	2640
actgtaaaa	tggaacatag	tgttatcaga	tcttaataat	agcttgtaga	cagaactgtg	2700
gcatatatct	agaaatcaac	ttttagccta	ttcttactga	cctagagaat	aataagctct	2760
ttaaatgaca	cccttaatga	aaactgtcac	ataattttcc	tctaaagtca	gcgatatttt	2820
ttaacaatca	tattctttat	agaattccta	aatctgggtt	tttgaaaaaa	gaaactagt	2880
accatttaaa	attgttggct	ctattcccac	tgcttctagt	ggactagcct	gaaaaaaata	2940
tttttccatg	tctgctgata	ttttatacct	tatataatgt	cctctctgaa	atcatggagg	3000
aatttaagaa	ggagaaaatt	gataatcata	cttacttagt	ttctttggaa	tatttgcatt	3060
tagacacaac	atcagtagca	gaagcaagac	acaaccacaag	catagggggag	ggaagtgttg	3120
gtgggctgac	tggcagtttg	agtgcgaagt	gaagccacat	ggatcgaaata	ggagccatcc	3180
gagacaacct	gagtgaacg	gccagcacca	tggcactagc	tggagccagt	ataacgggga	3240
gtctgtcagg	aagtgccatg	gtaaaactgtt	ttaacagggtg	tgtgtttttg	tttgggtttg	3300
ttctgtcttc	tggtaactac	aaattatttaa	ttaggtgaga	attttgaaca	taaagcatga	3360
tgattatata	taaccctact	atgtcaaggt	tcaaaatagt	aatgttaaaa	atgaaatttg	3420

gggccaggtg	cagtgggtca	cgctgtaat	cccagcatgt	tgggaagcca	aagcaggtgg	3480
attgcctgag	ctcaggagtt	cgagaccagc	ctgggcaaca	tggcgaaacc	ccatctctac	3540
taaaaaaata	taaaaaatta	gccggatttg	gtggcatgca	cctgtagtcc	cagctgggtcg	3600
ggaggctgag	gtaggaggat	cacttgagcc	tgggagttgg	aggctgcagt	cagccaagat	3660
cacaccactg	agctccaacc	tgagtgcag	tgagaccctg	tctcaaaaaa	aaaaagaaaa	3720
atttgggtgt	agattttctaa	gtctaaggaa	taacattctg	ccaatttttt	cactgtcctt	3780
gtcacatttt	atattataaa	tcgttgctac	agctgcttca	gtagacattg	aagcaaaggc	3840
agtacttaag	cctagatctt	acctctgtgg	gtaacaacag	ccagatatta	ggagatggga	3900
ctttggctga	gtcctgggaa	acagggtggag	tcaggacatc	caggaatgtg	tgaactggga	3960
ccgggataat	cggctagggt	ccttttatgt	attaatgctt	gcttactttg	ttctcaccaa	4020
gtctttttatc	aatagccata	tagataagta	ggaaaaatta	tcttcccctg	tttctcttta	4080
attcactatt	tttctacttag	gcttattagc	cttgcttttt	ttaagtgtag	gggagaatac	4140
atgaattaaa	agataaatta	gacatcttat	ttttaggtag	tttgcccttt	aaatacaaac	4200
tcttaagtta	tagtggtata	tactacctct	ttttaaaaag	gcaaatgttg	gttggggtca	4260
gtggctcata	cctataatcc	cagcactttg	ggaggccagg	ttggggaggat	agcttgaggc	4320
caggaatttg	agaccagcct	gggcaacata	acgagaccct	gtctctaaaa	atatatataa	4380
ataaataaag	tattaaaagg	caggtgttat	ttatagagtc	attttttaat	atagatgccc	4440
aggatttttg	gattcattgg	tgtgtcatgt	ttaatgatta	ataatgtatt	ctaactttgt	4500
gttttgcat	gaaacattac	aaagtgccat	atgctgagtg	agaataatgg	agtacattta	4560
agtgaataatc	ctttgtgtct	ttttgtgttt	atttcattac	cactttactt	ggcagacagc	4620
tgatgttccc	cattttattt	ggatggctgg	tactatgcag	tgtgctgcag	tagaatttaa	4680
attaataaaa	aggaaataaa	aaataatggt	tcctaaaaata	gcttctgggt	actagggttc	4740
ttaactgaat	tatttaaaga	tacatattac	agtagtgctg	atattaaata	taatttttgt	4800
gatttcatac	ccccctttaa	ggttggaagt	acaagcagat	gtacagaaag	aacggtacag	4860
tctaagtggg	gaatctggca	cagtcagctt	catcccattg	agtgataatg	ccagcaccaa	4920
agcaatggca	ggatccattc	tgaattccta	tactcccattg	gacaagtaag	gaaaaaactg	4980
ttaaaaaaatt	gaaagtattt	tttaaattaa	aggaataaatt	cctatcatta	gacaaattac	5040
cagtgaataag	tggctaccaa	ctattaagtt	ctctgagaaa	aggaaacagt	gagctgtcca	5100
gagtagggcaa	atctgtatag	atcataaagt	ggatttgtgg	ttgtcaaggg	ctgggaaagg	5160
gaagaatggt	aactaactgc	taatggatgc	aagatccctt	tttgggatca	tgaaaatggt	5220
ctgaaattag	gtagtgggta	tggttgcaca	gctctgatca	caactaaaaa	tactgaatt	5280
gtacacttta	aacaggggaa	ttgtatctga	ataaagctgt	tctttaaaaa	aaggtagcat	5340
agtgtctaga	acagcataag	caataaatgt	gtccaccact	attttaaaac	attgaagcat	5400
tataaagagt	tctgttatat	caagtatggt	ttttaagtag	aacgtgttct	gcgttaaggt	5460
gttctcatag	cttatatata	gtctgaattt	tccacataga	aacccttccc	ccagtcactt	5520
gaacaaaaag	aagtcagcaa	ttatgtttgt	atttgttact	cttatatttc	agagaaggca	5580
acagtatgga	ggtgcaagta	gatattgagt	caaagccatc	caaattcagg	cacaacagtg	5640
gaagcagtag	tgtggatgat	ggcagtgcca	cccgaagtca	tgctggcggt	tcacccagtg	5700
gcttgccctga	aggtaaactc	agtgccacca	agtgttccaa	agaagcaaca	gcagggaaaa	5760
aatcaaaaaag	tggtaaactg	aggaaaaagg	gtaacatgaa	gataaatgag	acgagagagg	5820
acatggatgc	acagttgtta	gaacaacaaa	gcacgaactc	aagtgaattt	gaggctccat	5880
ccctcagtg	cagtatgcct	tctgtagcag	attctcactc	tagtcatttt	tctgaattta	5940
gttgttctga	cctagaaagc	atgaaaactt	cttgtagtca	tggttccagt	gattatcaca	6000
cccgttttgc	tactgttaac	attcttctctg	aggtagaaaa	tgaccgtctg	gaaaattccc	6060
cacatcagtg	tagcatttct	gtggttaccc	aaactgcttc	ctgttcagaa	gtttcacagt	6120
tgaatcatat	tgctgaagaa	catggtaaca	atggaataaa	acctaattgt	gatttatatt	6180
ttggcgatgc	actaaaagaa	acaaataaca	accactcaca	tcagacaatg	gaattaaaag	6240
ttgcaattca	gactgaaatt	tagggccata	aatgctgcag	aataattacc	actgtacaac	6300
cgtgttttga	gctgggtgaa	ctacatgtga	ctacttaagt	ttcagggttac	cagcaaaaagc	6360
cgggtttcat	tatcataatg	cagatacatt	ttctgtgttc	agcaaggcat	tgtgtgtcat	6420
gtggatctta	gttaccaaac	tatgaagtga	aggcttttaa	agtgcattat	tttaaggata	6480
ataaatttga	agagcaaagc	atgttttctg	tgtttgccac	aaaacattgc	ttgaagcaca	6540
tacttagata	gaaatttggtc	tttaatttata	taatcaatat	aaaatactaa	tgcaattcta	6600
cagcattcaa	atgaagaaaa	cttgaggctt	taggggataag	tggttagtga	tattttattg	6660
aaaccactaa	agagataagt	ttaaaagaac	tgcataaggt	actctcagta	tatgatactc	6720
tgtaacattt	ctattttatat	cggcataaat	ttcatttttt	ttcttcatat	gcaatgtggt	6780
tgta						6784

<210> 12736  
<211> 10008

<212> DNA  
<213> Homo sapiens

<400> 12736

ggcctgtcct	ggcctctgag	agtgggatgg	ttggtgctgt	acctcagggg	acagggcggg	60
gcgggaggag	gcggggccag	gcctggtctc	tgataacggg	atgggtgggtg	ctggacctcg	120
ggcggggccg	ggcctcgtgg	cgggaggagg	cagggcaggg	cctctgggac	ggggctggac	180
ggcttgttga	cggaacagag	cccttgacgc	tgtggcccgg	aagtggagcg	gctgtcgag	240
tgcggtccg	gcagtggcag	cggaggcctg	tgtttgcggc	cttcggcaag	cgactgagat	300
ggcgagcgca	actgcacctg	cagccgcagt	ccccacctg	gcttcgcctt	tgagcagct	360
ccggcacttg	gcggaggagc	tgcggttgct	cctgcctcga	gtgcgggggtg	agctgacgga	420
gttagaacgg	gcgacggcag	gggcgggctc	ggggctcggg	agaggccggg	ctcggggctcg	480
gggagaggcc	gggctcgggg	tcgcggagag	ggcgggctgg	ggcggcgggc	gggagccggg	540
cttgggagag	ggaggtggct	ccgcttacct	cagcttttcc	attcgccacc	gttcggcccc	600
cacacgccac	accacaagt	cggcgaagcc	caggagacca	ccgaggagt	taatcgagag	660
atgttctgga	gaagactcag	tgagtgcgcg	tccttcggg	ctccccctgc	ctcacttctc	720
ccagcgtccc	gacctctttt	cctcccgcctg	tccccacgg	aggggactgc	tctccccgc	780
tgcatccttt	ctgtgaggta	ccttaccac	ctcagcacct	gagagggtga	aatagaattc	840
taacctcgac	attcggaag	tgtttttgag	aagtctcggt	cggttaaggga	agtcttccaa	900
gtccgtgcag	cactaacgta	ttggcacctg	cctcctcttc	ggccaccccc	cagatgaggc	960
agctgtgact	gtgtcaaggg	aagccacgac	tctgaccata	gtcttctctc	agcttccact	1020
gccgtctcca	caggtgggct	tcactttcgt	ggaatccttg	ggctgccgag	ttacacctta	1080
ggaatcctct	aattttcttt	ccaccttttg	catgcacgcc	aggagatttc	ttttcttcat	1140
ctgtccagtg	aggttaccgt	ttttacttca	caggattggt	gtgaagaccg	aattgccaag	1200
tgcagttctc	ggcgcgaggt	aggcaggtct	tataaatatt	ggttcagttc	gaagtttatc	1260
ctgggtgttt	cccttctgat	aattttttaa	gcacttttta	tttgctgggt	gttttccatc	1320
acttgatggc	catctgacag	atgagcaagg	aggctcagaa	gctcagctta	agatttaaaa	1380
aaaagcaggg	gggctagagt	ttaaatcaag	gtctatctga	tgtctaagct	acctattctg	1440
ttatactgca	taataccctt	tttatattat	tttttatatt	taatcagtaa	catatgtaga	1500
tagtacaaaa	ttcaacagat	atcaaagtgt	gttaagttta	cctttccacc	cactttctca	1560
tttttgtctc	ccccagttcc	ttttgcatta	ttccacgtat	attctgtgca	tatatacatt	1620
catatacatt	tatctgtatg	tgtcagcttc	tttttacaca	aatgatacat	aaacactggt	1680
ctggaccttc	caacttagaa	ttactgcaaa	cagtgtcgtg	atgaattacc	taattctgtg	1740
tatgtgtgta	tattggtaga	aaaaattccc	ggaagtagaa	ttgctagaac	aaagatttat	1800
gcatttttaa	tattccttta	ttataaaact	aatgaaagta	aacatgttgg	ctatgaccac	1860
gtatgctcta	tgctcagttt	ttctagagtt	gtgtatgctt	aatataggag	taagattctt	1920
ttaaaatggc	atattcattg	ccttatttga	ttttcatagt	caattgtttt	aatttttcag	1980
tctacatata	taggtgtttg	gaaaggatat	aaatatcttc	tgctgcatgt	acctacagtg	2040
ataaactctc	tcctcctaca	tacctttgag	attttttttt	tttttttgag	acagagtctc	2100
tctctgtcac	tcaggctgga	gtgcagtgcc	acagtctggg	ctcactgcat	cctctgccta	2160
ccgggttcaa	gcagttctcc	tgccctcagcc	tctcgagtag	ctgggattac	aggcacctgt	2220
caccacgcct	ggctaatttt	tgtattttta	ggtgagacgg	ggtttcacca	tgttgggag	2280
gctagtctcg	aactcctgac	ctcaagtgtat	cgccctgcct	tggcctccca	cagtgtttgg	2340
attacaggtg	tgagccaccg	tgccctggcct	acctttgaga	tttgatgatga	ggaaacaaga	2400
gatgaattgt	atgagagcac	ttcaaaaagat	tcatggaaaa	tacttatttc	aaaaagagta	2460
gttaatatata	ccttattttt	ccttatctgct	aaccttcttc	tttcaaagtc	acttaggact	2520
tgctgctaaa	actcactgca	agtaagatac	cacaaggagg	cagcatagaa	ctgattttct	2580
atacatgctc	aggacagtag	tttcaactcat	agatgaaaag	ttagaatttg	gattttattg	2640
aaatatatac	aaatattcaa	gtatatatac	atattcaaat	aaatacatat	atgtatatat	2700
gtgtgtatat	acacacatac	atacacatga	atcatcattg	ccttcttgag	atctcaccac	2760
tttagtccta	ctaaaagatg	ggtgggttgt	ggtttttttt	tgttgttgtt	gttgtttttt	2820
aaattccaat	ctgtatggaa	tgatacctta	ataaaattat	gtgctcggat	gttgaataaa	2880
tgtaaaattg	ccataaaaagt	ttctaaacac	tctcagtcac	tgcttatctc	atccctgact	2940
ggtcacaaac	agttttagta	ctggctccaa	cctggaccac	atgtgtatag	tattgactta	3000
gaatttaaca	gaaaattgag	gacaaggaag	atgagaaagc	cagtgaccac	ctagaaggaa	3060
aatagttaac	atggagcatt	gtcgagtcca	tgctagttag	ctttagttac	atattctgat	3120
tctgttaaaa	aaagagagag	acctgggttaa	tggtttaata	accatgggtct	gtcagttggg	3180
ctgtctgtct	ctctccctcc	ctctcttttc	tgtaaagggc	cagttagtaa	atatttttaga	3240
ttttgtaacc	aactacccaa	ctctgccctt	atagagcaaa	cacaactaca	gacattaaaa	3300
ccagttagta	tggctgtgtc	ccaatacact	tcatttccaa	aaacaggcag	tggggcctga	3360
cttggcctga	ggaccacagt	ttgccagctc	ctgggtctaag	atatcatgaa	tatcttggga	3420

tacagagtat	caggaataag	tttttctctg	ctgtttctta	atggtttatt	gagttgtcag	3480
cccaatatct	actatatagc	taactcctcc	ctggatatgtg	atgagtatag	taggcctgcc	3540
ttcataccag	gacttcagaa	aatgtttgat	gatgctgtag	aaatatctgc	cctaggccgg	3600
gtgcagtggc	ttacacctgt	aatctcagca	ctttggggagg	ccaagggagg	tggatcacct	3660
gaggtcagga	gttcgagacc	agtgtggcca	gtgtggcaaa	accccatctc	tactaaaaat	3720
acaaaaaatt	agctgggtgt	ggtggcgggt	gcctgtaate	ccagctactt	gggaggctga	3780
ggcaggagaa	ctgcttgaac	ctgggagggtg	gaggttgcag	tgagccaaga	ttgcgccatt	3840
gcactccagc	ctgggtgaca	gagtgagact	ctgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	3900
aaagaaagaa	aaagaaagaa	aagaaaaaga	aaagaaatat	ctgctctatt	ccacagcaga	3960
agggttgacc	actttgatct	aatctgtttc	cttttctata	ggaaaccag	aagttctgtg	4020
aacaagtcca	tgctgccatc	aaggcattta	ttgcagtgtg	ctatttgctt	ccaaaggatc	4080
agggttaagc	acataagtgt	tgcattttatc	gtgtagatct	ttgctaatat	tgtggattat	4140
gtcttgtgac	ttttaccttt	acccaacttg	aacatgtaac	tttctcccat	aaaatacagt	4200
gaaggataat	tttgtaatgt	aagtgactta	tataaacaag	ccattattct	aagatacaga	4260
tgctttgttc	ctatgacttc	ccatctcccc	tgctttgcct	gactcataag	gcttttaatt	4320
ctcacagcct	tctccctctt	caacccggtt	taacaccaca	gatactggct	ggctctcagc	4380
cccatatgca	ggctcaggcc	atccttactt	tccctccacc	atggtatatc	tcacctatt	4440
tctgaacatc	tgcatagggt	aaatggcctc	cagccctggc	tgtagaatca	tgcatgtgatt	4500
ataatcatgc	caaaattata	actgaatata	tgctcatggat	cttcagggtt	actcaagtgg	4560
cttaaacttc	aagtgtttca	tctacagtgt	ttaagagatc	acggtcctta	atgaatgaat	4620
acatgggtgc	acggaaagat	tttgttccaa	atctcttttg	aagaaaacac	taaggaaatg	4680
caggaggggc	aagaaaatgc	catggggata	taagtaagac	ctgagttttg	tgtagcatg	4740
taggttaaag	catgtgggtg	tacattacct	tatagttctg	taatgcttag	actcaggaaa	4800
gcagatgggtg	cttctgaaaa	gaacaccagg	ttgcttattc	tttgggtttg	gccacaggga	4860
tcaccctgag	aaagctggta	cggggcgcca	ccctggacat	cgtggatggc	atggctcagc	4920
tcattggaagt	actttccgct	actccaactc	agaggtagt	atgccacagt	ttaggttacc	4980
agttattggg	gttcctttgcc	tcagagggga	aaagctcatt	ttaacagcaa	agttactgac	5040
agctgagag	aatgaccagc	aggaagaaag	tttttagggag	acaggaacct	aggttattaa	5100
tatatcctta	ctgatttctt	tccccagccc	tgagaacaat	gaccttattt	cctacaacag	5160
tgtctgggtt	gcgtgccagc	agatgcctca	gataccaaga	ggtgagtgaa	agtgggcagt	5220
gggccatgtc	tgctggccaa	agcaaagaga	cctcatgtct	agcttccagc	tttgtaacat	5280
gtatttgaat	ttatataaac	agtctagtga	aatatatata	ttttattaat	gaaattaata	5340
ggtaggtatt	aatacttttt	gtcattctct	agttatcata	cttctaaatt	ccactcccc	5400
ttgctgtggc	tgtctcttgt	tgaacaagta	tggtttgttt	tcctagtcct	acccaagag	5460
tagtattatg	gagcacactg	aagcagttat	gaggtagaga	cagctaggcc	aaaacagtgg	5520
ttgtccaaga	ggaccatgat	gataaacatc	atgtgaccat	tttatttctt	cttgtgaata	5580
aaatacaagc	ttttttaaacc	cctatctaga	taccagggga	tgtagtgaga	attttttatt	5640
aaacccgcac	ccttgtcaac	cgctcctggc	actcccatca	ataggaacaa	tgtgattggt	5700
ccttgcagtc	ataagaaaat	tgttggaatt	ctcctcta	tctagtgtct	ctgatttttc	5760
actcatagat	aacaaagctg	cagctctttt	gatgctgacc	aagaatgtgg	attttgtgaa	5820
ggatgcacat	gaagaaatgg	agcaggtgag	gggacctcca	tcattggaag	gcaactcctt	5880
gactagtaga	tgagaattaa	ttataaagag	agatttctctg	agcattgacc	agataggctc	5940
cattctcact	actgtcctct	gtcttccatg	tcccactgct	tgtagtggtt	tgatttagta	6000
ccactcctct	gtgttccctt	actggacaag	gagagcgaga	acagggttta	tgaagtgtt	6060
caactctgta	gcccttagtg	aagtggctgg	ctaagatttt	tggacaacta	agacatcgtg	6120
gtaaaagtat	aataatagga	ctcgcctttt	tttttttttt	tttttttttg	attcacatac	6180
atcatggtat	gtcttaggct	gtggaagaat	gtgaccttta	ctctggcctc	ttgaatgata	6240
ctgaggagaa	caactctgac	aaccacaatc	atgaggatga	tgtgttgggg	tttcccagca	6300
atcaggactt	gtattgggtc	gaggacgatc	aagagctcat	aatcccatgc	cttgcgctgg	6360
tgagagcatc	caaagcctgc	ctgaagaaaa	ttcggtatgt	agtggcagag	aatgggaaga	6420
aggatcagg	ggcacagctg	gatgacattg	tggatatctt	tgatgaaatc	agccctaggt	6480
aagcgggatc	cccacttgaa	acatctgagc	agcagcgttc	tgatttcaat	ttgtgtgtc	6540
acctcaaggt	tttcacagtt	tttttatatt	ttgaaatttt	tcaaacctat	aggaaagt	6600
aaaaagtacc	ttcagtgaac	accctatat	ccttctatta	gatttgctctg	ttgttcacat	6660
tttttctat	attggtttat	ttctcaagag	atactgtttc	atatttatct	cagaatgttt	6720
tgagagtaaa	ttgcagacag	caatgacatt	tcacctctaa	atacttcagt	atgtatctcc	6780
tgaagtactc	ttatttctac	tcttattatc	acatccaaga	aatttgacat	tgaatataat	6840
agtattatct	aatattcaga	tttccccagt	tgtctgtatc	taaaatgtca	tataaattca	6900
gggttctgtc	aagggtccac	attgcattta	attgtcatct	ctttagtctc	ttgaaatcta	6960
gaacagttcc	tatcctttgt	agtctttttt	aatcaacatt	ttaaaaagaa	accaggacag	7020
ttgtcttgta	aaatatccaa	caacctggat	tcacgtgatt	gttagttctc	atttttgcaa	7080

gaatatcata	taattaagtg	ttttgtacat	ctcattttat	catattaggg	aggcacatga	7140
tggttggttg	cctcattatt	ggtgggtacta	aatttgatca	cttaaagtgg	tgctcacttt	7200
agtaaaggta	tatttttactc	taatttttagc	ttccactgat	gaaggctgcc	tgccatatatt	7260
agttattaaa	ctgatgggtt	cacatcctca	cattttttgac	tgaattgatc	atgcacccta	7320
ctatgaacca	aggggaatttc	ccccccagct	tcctagttaa	atgggggatg	gttggtttcaa	7380
taaagactgg	ttgaactcat	tctgtattgg	ttgcccagtt	gcccattttt	aaaaactgac	7440
aggcatttct	gggacagttt	ctcactgttg	acatccatag	ttgtgtacta	gaaacaacct	7500
ggctgcgttt	ttttgttaat	gattactttt	gttttctgct	cttagtgtgg	atgattttggc	7560
tctgagcata	tatccaccta	tgtgtcacct	gaccgtgcca	atcaatgtaa	gtactggcct	7620
tgagggaata	gctacagaac	aaatgggcag	aattttcacta	atcactagta	tttcctgtaa	7680
gctatagggt	acatattttat	tagtcacatt	tggatggaag	tacaacagta	atgtcacagt	7740
tcttgcatgc	gtttgggggt	gataaatatt	cactgaagtt	gaattataat	agccatgagc	7800
tttggtagtt	ctctcttcca	taatcacctg	ggtaatcatt	cagaaaagcc	caaaggcctt	7860
agaaaatgat	gctttaaggc	tgggcgcggg	agctcacacc	tgtaatccca	gcaactccagg	7920
aggcggagg	caggagttga	gaccagcctg	gccaacatgg	cgaaaccttg	tctctactaa	7980
gaatacaaaa	attagccggg	catcatgcac	ctataatccc	agctacttgg	aaggcttaag	8040
caggagaatc	gcttgaagcc	gggaagtggg	ggttgacgtg	agccgacatc	gcgccactgc	8100
actccagcct	gagcaacaga	gcaagactct	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	8160
aaaaaaaaagc	ttctttgaaa	agaaagtctt	aattacacgg	taatttagga	acttctcaac	8220
ttgaagtcac	aagtttctaa	tttctagact	aggcagcaat	tagattgaac	ttcagctggt	8280
catgaagtag	ctggctgagg	tcacatgttt	ctgatttcta	gacaaggcag	aaataagtg	8340
tccagaaaca	tactctgttc	taatacaaac	acattgtgtg	atttaactat	ggagagtcaa	8400
ctttcttata	aaaatctgat	tttattgtat	tctttgaggt	tctgtgccct	ttactagaga	8460
gagttctgtt	ctctctaatg	ttattggaaa	gagcagtaaa	actgccaaat	ggcttatatt	8520
ttacaattga	atgtatcaat	tctagttaata	tttgataaat	tggataatgg	aaattagatt	8580
catcagatgt	gtcttcatga	tgtataaaca	ccttgaagta	gaataggatc	cttttgggca	8640
ttaacatttt	tttggcatta	acttttaaaa	aattgacttc	ctaagaaata	aacattttta	8700
gcaatatgcc	tagtcagcta	tcccaaacat	agtatctgct	ctagcaattt	taaaatgtgt	8760
actgcatatg	catcttatat	gtattgatat	tttatattaa	acgtctccat	cttatcctta	8820
tattgggtgt	cttaaaattc	ttaatgcgct	tttttttttt	tttttttttt	tttttttttt	8880
aaaggaacct	tagtcatttc	tgtctttatat	tttgagctat	cagcatttgg	gaccaattca	8940
ggttacattt	tcctttttct	gtcctttttt	aaattgaaaa	tatttttagat	ctaaaaaatc	9000
ttattaaaa	gttatagcaa	tagtattaat	aagatcttgc	taaatagaaa	agaaccctga	9060
atcctgccac	cctaaccctaa	tcagcatttt	aaattttgca	tacttccttc	aggtcctttt	9120
tctaaataat	tttttttatta	cttgggtctt	taaaaatatt	tgaactcacc	tttttatggt	9180
agggctcagg	gtgaataact	tctgtgtttc	ttttctagtc	tgcgaaactt	gtatctgttt	9240
taaagaaggc	acttgaaatt	acaaagtaag	tatgaagact	tctcagatag	ctttttgtga	9300
gtaaaacgga	actgctgtcc	agacgttctc	aactccctag	ctcccatttc	aaggagtggg	9360
aaaggggtgg	tgtgggattt	tcttttcagct	tcagtgtgtg	ggcagctgag	attctgcaaa	9420
gaagcttccc	tttaaaaaaa	tttttagttt	ccctgtgtct	cctcctgagg	ataggttttc	9480
ccttgacatc	ctaataagtt	taacttactt	ctttcctatt	ctattcacag	agcaagtcat	9540
gtgacccttc	agccagaaga	tagttggatc	cctttactta	ttaatgccat	tgatcattgc	9600
atgaatagaa	tcaaggagct	cactcagagt	gaacttgaat	tatgactttt	caggctcatt	9660
tgtactctct	tccctctca	tcgctcatggt	caggctctga	tacctgcttt	taaaatggag	9720
ctagaatgct	tgtctggattg	aaagggagtg	cctatctata	tttagcaaga	gacactatta	9780
ccaaagattg	ttgggttaggc	cagattgaca	cctattttata	aaccatatgc	gtatattttt	9840
ctgtgtctata	tatgaaaaat	aattgcatga	tttctcattc	ctgagtcatt	tctcagagat	9900
tcctaggaaa	gctgccttat	tctctttttg	cagtaaagta	tgttggtttc	attgtaaaga	9960
tggtgatggt	ctcaataaaa	tgctaacttg	ccagtgatta	aatgagtg		10008

<210> 12737  
 <211> 10008  
 <212> DNA  
 <213> Homo sapiens

<400> 12737						
ggcctgtcct	ggcctctgag	agtgggatgg	ttggtgctgt	acctcagggg	acagggcggg	60
gcgggaggag	gcggggccag	gcctggtctc	tgataacggg	atgggtggtg	ctggacctcg	120
ggcggggccg	ggcctcgtgg	cgggaggagg	cagggcaggg	cctctgggac	ggggctggac	180
ggcttggtga	cggaacagag	cccttgacgc	tgtggccggg	aagtggagcg	gctgtcgcag	240

tgcggtccg	gcagtggcag	cggaggcctg	tgtttgcggc	cttcggcaag	cgactgagat	300
ggcgagcgca	actgcacctg	cagccgcagt	ccccaccctg	gcttcgcctt	tggagcagct	360
ccggcacttg	gcggaggagc	tgcggttgct	cctgcctcga	gtgcggggtg	agctgacgga	420
gttagaacgg	gcgacggcag	gggcgggctc	ggggtcgggg	agaggccggg	ctcggggtcg	480
gggagaggcc	gggctcgggg	tcgcggagag	ggcgggctgg	ggcggcgggc	gggagccggg	540
cttgggagag	ggaggtggct	ccgcttacct	cagcttttcc	attcgccacc	gttcggcccc	600
cacacgccac	accacaagt	cggcgaagcc	caggagacca	ccgaggagtt	taatcgagag	660
atgtttctgga	gaagactcag	tgagtgcgcc	tccttcgggg	ctccccctgc	ctcacttcct	720
ccagcgtccc	gacccctttt	cctcccgtcg	tccccacgg	aggggactgc	tctccccgc	780
tgcattcctt	ctgtgaggta	ccttaccac	ctcagcacct	gagagggtga	aatagaattc	840
taacctcgac	attcggaag	tgtttttgag	aagtctcggt	cggttaaggga	agtcttccaa	900
gtccgtgcag	cactaacgta	ttggcacctg	cctcctcttc	ggccaccccc	cagatgaggc	960
agctgtgact	gtgtcaaggg	aagccacgac	tctgaccata	gtcttctctc	agcttccact	1020
gccgtctcca	cagggtgggt	tcactttcgt	ggaatccttg	ggctgccgag	ttacacctta	1080
ggaatcctct	aattttcttt	ccaccttttg	catgcacgcc	aggagatttc	ttttcttcat	1140
ctgtccagtg	aggttaccgt	ttttacttca	caggattggt	gtgaagaccg	aattgccaag	1200
tgcggttctt	ggcgcgaggt	aggcagggtc	tataaatatt	ggttcagttc	gaagtttatc	1260
ctgggttgtt	cccttctgat	aattttttaa	gcacttttta	tttgctgggt	gttttcacat	1320
acttgatggc	catctgacag	atgagcaagg	aggctcagaa	gctcagctta	agatttaaaa	1380
aaaagcaggg	gggctagagt	ttaaatcaag	gtctatctga	tgtctaagct	acctattctg	1440
ttatactgca	taataccctt	tttatattat	tttttatatt	taatcagtaa	catatgtaga	1500
tagtacaaaa	ttcaacagat	atcaaagtgt	gttaagttaa	cctttccacc	cactttctca	1560
tttttgtctc	ccccagttcc	ttttgcatta	ttccacgtat	attctgtgca	tatatacat	1620
catatacatt	tactgtgatg	tgctcagctc	tttttacaca	aatgatacat	aaacactggt	1680
ctggaccttc	caacttagaa	ttactgcaaa	cagtgctgtg	atgaattacc	taattctgtg	1740
tatgtgtgta	tattggtaga	aaaaattccc	ggaagttaga	ttgctagaac	aaagatttat	1800
gcatttttaa	tattccttta	ttataaaact	aatgaaagta	aacatggttg	ctatgaccac	1860
gtatgctcta	tgctcagttt	ttctagagtt	gtgtatgctt	aatataggag	taagattctt	1920
ttaaaatggc	atattcattg	ccttatttga	ttttcatagt	caattgtttt	aatttttcag	1980
tctacatata	taggtgtttg	gaaaggatat	aaatatcttc	tgctgcatgt	acctacagtg	2040
ataaactctc	tcctcctaca	tacctttgag	attttttttt	tttttttgag	acagagtctc	2100
tctctgtcac	tcaggctgga	gtgcagtggc	acagctctgg	ctcactgcat	cctctgccta	2160
cggggttcaa	gcagttctcc	tgccctcagc	tctcgagtgc	ctgggattac	aggcacctgt	2220
accacgcct	ggctaatttt	tgtattttta	gttgagacgg	ggtttcacca	tgttgggcag	2280
gctagtctcg	aactcctgac	ctcaagtgat	ccgcctgcct	tggcctccca	cagtgttggt	2340
attacagggtg	tgagccaccg	tgccctggcct	acctttgaga	tttgtgatga	ggaaacaaga	2400
gatgaattgt	atgagagcac	ttcaaaagat	tcatggaaaa	tacttatttc	aaaaagagta	2460
gttaatatata	ccttattttt	cttatctgct	aacccttttc	tttcaaattgc	acttaggact	2520
tgctgctaaa	actcactgca	agtaagatac	cacaaggagg	cagcatagaa	ctgattttct	2580
atacatgctc	aggacagtag	tttactcat	agatgaaaag	ttagaatttg	gattttatttg	2640
aaatatatac	aaatatccaa	gtatatacat	atattcaaat	aaatacatat	atgtatatat	2700
tgtgtatat	acacacatac	atcacataga	atcatctttg	ccttcttgag	atctcaccac	2760
tttagtccta	ctaaaagatg	ggtaggtgtt	ggtttttttt	tgttgttgtt	gttgtttttt	2820
aaattccaat	ctgtatggaa	tgatacttta	ataaaattat	gtgctcggat	gttgaataaa	2880
tgtcaaattg	ccataaaaagt	ttctaataac	tctcagtcac	tgcttatctc	atccctgact	2940
ggtcacaaac	agtttgtaga	ctggctccaa	cctggaccac	atttgtatag	tattgactta	3000
gaatttaaca	gaaaattgag	gacaagggaag	atgagaaagc	cagtgaccac	ctagaaggaa	3060
aatagttaac	atggagcatt	gtcgagtcca	tgctagttaa	ccttagttac	atattctgat	3120
tctgttaaaa	aaagagagag	acctgggttaa	tggtttaata	accatgggtc	gtcagttggt	3180
ctgtctgtct	ctctccctcc	ctctcttttc	tgtaaagggc	cagttagtaa	atattttaga	3240
ttttgtaacc	aactacccaa	ctctgccctt	atagagcaaa	cacaactaca	gacattaaaa	3300
ccagttagta	tggctgtgtc	ccaatacact	tcatttccaa	aaacaggcag	tggggcctga	3360
cttggcctga	ggaccacagt	ttgccagctc	ctggcttaag	atatcatgaa	tatcttggga	3420
tacagagtat	caggaataag	ttttttctcg	ctgtttctta	atggtttatt	gagttgtcag	3480
cccaatatct	actatatagc	taactcctcc	ctggtagtg	atgagtatag	taggcctgcc	3540
ttcataccag	gacttcagaa	aatgtttgat	gatgctgtag	aaatatctgc	cctaggccgg	3600
gtgcagtggc	ttacacctgt	aatctcagca	ctttggggagg	ccaagggagg	tggatcacct	3660
gaggtcagga	gttcgagacc	agtgtggcca	gtgtggcaaa	accccatctc	tactaaaaat	3720
acaaaaaatt	agctgggtgt	ggtaggggtg	gcctgtaatc	ccagctactt	gggaggctga	3780
ggcaggagaa	ctggttgaa	ctgggaggtg	gaggttgtag	tgagccaaga	ttgcgccatt	3840
gcactccagc	ctgggtgaca	gagtgagact	ctgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	3900



aaagaaagaa	aaagaaagaa	aagaaaaaga	aaagaaatat	ctgctctatt	ccacagcaga	3960
aggggtgacc	actttgatct	aatctgtttc	ctttttcata	ggaaaccag	aagttctgtg	4020
aacaagtcca	tgctgccatc	aaggcattta	ttgcagtgtg	ctattttgctt	ccaaaggatc	4080
agggtaagcc	acataagtgt	tgcatttatc	gtgtagatct	ttgctaatat	tgtggattat	4140
gtcttgtgac	ttttaccttt	acccaacttg	aacatgtaac	tttctcccat	aaaatacagt	4200
gaaggataat	tttgaatgt	aagtgactta	tataaacaag	ccattattct	aagatacaga	4260
tgctttgttc	ctatgacttc	ccatctcccc	tgctttgcct	gactcataag	gctttttaatt	4320
ctcacagcct	tctccctctt	caaccgcgtt	taacaccaca	gatactggct	ggctctcagc	4380
cccatatgca	ggctcaggcc	atccttactt	tccctcacc	atgttatatc	tcaccctatt	4440
tctgaacatc	tgcatagggt	aaatggcctc	cagccctgcc	tgtagaatca	tgcatgtgatt	4500
ataatcatgc	caaaattata	actgaataca	tgcatgggat	cttcagggtt	actcaagtg	4560
cttaaacttc	aagtgtttca	tctacagttg	ttaagagatc	acggctcctta	atgaatgaat	4620
acatgggtgc	acggaaagat	tttgttccaa	atctcttttg	aagaaaacac	taaggaatgg	4680
caggaggggc	aagaaaatgc	catggggata	taagtaagac	ctgagttttg	tgtagcatg	4740
taggttaaag	catgtgggtg	tacattacct	tatagttctg	taatgcttag	actcaggaaa	4800
gcagatgggtg	cttctgaaaa	gaacaccagg	ttgcttattc	tttgggtttg	gccacaggga	4860
tcaccctgag	aaagctggta	cggggcgcca	ccctggacat	cgtggatggc	atggctcagc	4920
tcatggaagt	actttccgtc	actccaactc	agaggtagtg	atgccacagt	ttaggttacc	4980
agttattggg	gttcccttgc	tcagagggga	aaagctcatt	ttaacagcaa	agttactgac	5040
agctgagagt	aatgaccagc	aggaagaagc	tttttaggag	acaggaacct	aggttattaa	5100
tatatcctta	ctgatttctt	tccccagccc	tgagaacaat	gaccttattt	cctacaacag	5160
tgtctgggtt	gcgtgccagc	agatgcctca	gataccaaga	ggtagagtga	agtgggcagt	5220
gggccatgct	tgctggccaa	agcaaagaga	cctcatgtct	agcttccagc	tttgtaacat	5280
gtatttgaat	ttatataaac	agtctagtga	aatatatata	ttttattaat	gaaattaata	5340
ggtaggttatt	aatacttttt	gtcattctct	agttatcata	cttctaaatt	ccactcccc	5400
ttgctgtggc	tgtctcttgt	tgaacaagta	tggtttgttt	tcctagtcct	accccaagag	5460
tagtattatg	gagcacactg	aagcagttat	gaggtagaga	cagctaggcc	aaaacagtg	5520
ttgtccaaga	ggaccatgat	gataaacatc	atgtgaccat	tttatttctt	cttgtgaata	5580
aaatacaagc	tttttaaac	cctatctaga	taccagggga	tgtagtgaga	attttttatt	5640
aaaccgcac	ccttgtcaac	cgctcctggc	actcccatca	ataggaacaa	tgtgattggt	5700
ccttgacagc	ataagaaaat	tggttgattt	ctcctcta	tctagtgcct	ctgatttttc	5760
actcatagat	aacaaagctg	cagctctttt	gatgctgacc	agaatgtgg	attttgtgaa	5820
ggatgcacat	gaagaaatgg	agcaggtgag	gggacctcca	tcattggaag	gcaactcctt	5880
gactagtaga	tgagaattaa	ttataaagag	agatttccctg	agcattgacc	agatagggtc	5940
cattctcact	actgtcctct	gtcttccatc	tcccactgct	tgtagtggtt	tgatttagta	6000
ccactcctct	gtgttccctt	actggacaag	gagagcgaga	acagggttta	tgaagtgatt	6060
caactctgta	gcccttagtg	aagtggctgg	ctaagatttt	tggaacaacta	agacatcgtg	6120
gtaaaagtat	aataataggc	ctcgcctttt	tttttttttt	ttttttttgc	attcacatac	6180
atcatgggat	gtcttaggct	gtggaagaat	gtgaccctta	ctctggcctc	ttgaatgata	6240
ctgaggagaa	caactctgac	aaccacaatc	atgaggatga	tggtgtgggg	tttcccagca	6300
atcaggactt	gtattgggtc	gaggacgatc	aagagctcat	aatcccatgc	cttgccgtgg	6360
tgagagcatc	caaagcctgc	ctgaagaaaa	ttcggatggt	agtggcagag	aatgggaaga	6420
aggatcaggt	ggcacagctg	gatgacattg	tggaattttc	tgatgaaatc	agccctaggt	6480
aagcgggac	cccacttgaa	acatctgagc	agcagcgctt	tgatttcaat	ttgtgtgtgc	6540
acctcaaggt	tttcacaggt	tttttatatt	ttgaaatttt	tcaaacctat	aggaaagttt	6600
aaaaagtacc	ttcagtgaac	acccctatat	ccttctatta	gatttgcttg	ttgttcacat	6660
tttttccctat	attgggtttat	ttctcaagag	atactgtttc	atatttattc	cagaatgttt	6720
tgagagtaaa	ttgcagacag	caatgacatt	tcacccctaa	atacttcagt	atgtatctcc	6780
tgaagtactc	ttattcctac	tcttattatc	acatccaaga	aatttgacat	tgaatataat	6840
agtattatct	aatattcaga	tttccccagt	tgtctgtatc	taaaatgtca	tataaattca	6900
gggttctgtc	aagggtccac	attgcattta	attgtcatct	ctttagtctc	ttgaaatcta	6960
gaacagttcc	tatcctttgt	agtctttttt	aatcaacatt	ttaaaaagaa	accaggacag	7020
ttgtcttgta	aaatatccaa	caacctggat	tcacgtgatt	gttagttctc	atttttgcaa	7080
gaatatcata	taattaagt	ttttgtacat	ctcattttat	catattaggg	aggcacatga	7140
tggtgggttg	cctcattatt	ggtgggtacta	aatttgatca	cttaaagtgg	tgctcacttt	7200
agtaaaggta	tatttttactc	taatttttagc	ttccactgat	gaaggctgcc	tgccctatatt	7260
agttattaaa	ctgatgggtt	cacatcctca	catttttgac	tgaattgatc	atgcacccta	7320
ctatgaacca	agggaaatttc	ccccccagct	tcctagtga	atgggggtatg	gttgtttcaa	7380
taaagactgg	ttgaactcat	tctgtattgg	ttgcccaggt	gcccattttt	aaaaactgac	7440
aggcattttct	gggacagttt	ctcactgttg	acatccatag	ttgtgtacta	gaaacaacct	7500
ggctgcgttt	ttttgttaat	gattactttt	gttttctgct	cttagtgtgg	atgatttggc	7560

tctgagcata	tatccaccta	tgtgtcacct	gaccgtgcga	atcaatgtaa	gtactggctt	7620
tgaggggaata	gctacagaac	aaatgggcag	aattttcacta	atcactagta	tttcctgttaa	7680
gctataggggt	acatattttat	tagtcacatt	tggtatggaag	tacaacagta	atgtcacagt	7740
tcttgcacatgc	gttttgggggt	gataaatatt	cactgaagtt	gaattataat	agccatgagc	7800
tttggtagtt	ctctcttcca	taatcacctg	ggtaatcatt	cagaaaagcc	caaaggcctt	7860
agaaaatgat	gctttaaggc	tgggcgcggg	agctcacacc	tgtaatccca	gcactccagg	7920
aggcggagggt	caggagttga	gaccagcctg	gccaacatgg	cgaaaccttg	tctctactaa	7980
gaatacaaaa	attagccggg	catcatgcac	ctataatccc	agctacttgg	aaggcttaag	8040
caggagaatc	gcttgaagcc	gggaagtggg	ggttgacgtg	agccgacatc	gcgccactgc	8100
actccagcct	gagcaacaga	gcaagactct	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	8160
aaaaaaaaagc	ttctttgaaa	agaaagtctt	aattacacgg	taatttagga	acttctcaac	8220
ttgaagtcac	aagtttctaa	tttctagact	aggcagcaat	tagattgaac	ttcagctgtt	8280
catgaagtag	ctggctgagg	tcacatgttt	ctgatttcta	gacaaggcag	aaataagtg	8340
tccagaaaca	tactctgttc	taatacaaac	acattgtgtg	atttaactat	ggagagtcaa	8400
ctttcttata	aaaatctgat	tttattgtat	tctttgaggt	tctgtgccct	ttactagaga	8460
gagttctgtt	ctctctaagt	ttattggaaa	gagcagtaaa	actgccaaat	ggcttatatt	8520
ttacaattga	atgtatcaat	tctagtaata	tttgataaat	tggataatgg	aaattagatt	8580
catcagatgt	gtcttcatga	tgtataaaca	ccttgaagta	gaataggatc	cttttgggca	8640
ttaacatttt	tttggcatta	acttttataa	aattgacttc	ctaagaaata	aacattttta	8700
gcaatatgcc	tagtcagcta	tcccaaacat	agtatctgct	ctagcaattt	taaaatgtgt	8760
actgcatatg	catcttatat	gtattgatat	tttatattaa	acgtctccat	cttatectta	8820
tattgggtgtt	cttaaaattc	ttaatgcgct	tttttttttt	tttttttttt	tttttttttt	8880
aaaggaacct	tagtcatttc	tgtctttatat	tttgagctat	cagcattttg	gaccaattca	8940
ggttacattt	tcctttttct	gtcctttttt	aaattgaaaa	tatttttagat	ctaaaaaatc	9000
ttattaaaaat	gttatagcaa	tagtattaat	aagatcttgc	taaatagaaa	agaacccgta	9060
atcctgccac	cctaacctaa	tcagcatttt	aaattttgca	tacttccttc	aggtcctttt	9120
tctaaataat	ttttttatta	cttgggtctt	taaaaatatt	tgaactcacc	tttttatggt	9180
agggctcagg	gtgaataact	tctgtgtttc	ttttctagtc	tgcgaaactt	gtatctgttt	9240
taaaagaaggc	acttgaaatt	acaaagtaag	tatgaagact	tctcagatag	ctttttgtga	9300
gtaaaacgga	actgctgtcc	agacgttctc	aactccctag	ctcccatttc	aaggagtggg	9360
aaaggggtgg	tgtgggattt	tctttcagct	tcagttgtgg	ggcagctgag	attctgcaaa	9420
gaagcttccc	tttaaaaaaa	ttttagtttt	cctgtgtctc	cctcctgagg	ataggttttc	9480
ccttgacatc	ctaataagtt	taacttactt	ctttcctatt	ctattcacag	agcaagtcac	9540
gtgacccctc	agccagaaga	tagttggatc	cctttactta	ttaatgccat	tgatcattgc	9600
atgaatagaa	tcaaggagct	cactcagagt	gaacttgaat	tatgactttt	caggctcatt	9660
tgtactctct	tcccctctca	tcgtcatggt	caggctctga	tacctgcttt	taaaatggag	9720
ctagaatgct	tgtctggattg	aaagggagtg	cctatctata	tttagcaaga	gacactatta	9780
ccaaagattg	ttgggttaggc	cagattgaca	cctatttata	aaccatattg	gtatattttt	9840
ctgtgctata	tatgaaaaat	aattgcatga	tttctcattc	ctgagtcatt	tctcagagat	9900
tcttaggaaa	gctgccttat	tctctttttt	cagtaaagta	tgttgttttc	attgtaaaga	9960
tgttgatggg	ctcaataaaa	tgctaacttg	ccagtgatta	aatgagtg		10008

<210> 12738  
 <211> 4636  
 <212> DNA  
 <213> Homo sapiens

<400> 12738	
caagacaaaa	tgacaataat
gcagtaaata	ataatagggg
aagcaagtta	aactttctac
ctgtgggcct	tcaagaagag
agatttcttt	caaaaagtag
ggaaatttaa	cttctgtgga
ttgaggttat	tattgcaatg
atctataaga	cacatatctg
aaaatagttg	gtagcaagg
atgaaataaa	atgcttatag
tctcatgata	tatgtaatca
ctcttttagg	tccatgggtt
aataataata	atacctagaa
ggatagaaaa	gtcagcatgg
atggtaaccg	tgattatgta
gttaaaatac	attcattata
ttgaagtgtt	tttgctttta
atacctcttt	acatcttaaa
gaattttcaa	aaatgtgagt
ttctagggtat	agtgtctact
atatcaagta	caacacagag
atggctagtc	tcatatctct
gaatttatagt	tattttaatct
tttggtgaaa	tcattgatgg
actcacacac	tgagaatggg
cattccagat	gagaaaactg
ggtgatatac	aaagtaatga
catcttagaa	
tcaatcatct	
atgcattata	
tgtttctaga	
cacaatccaa	
aggggaaggct	
tataaatgta	
tgtccattgc	
tgctgctttt	

cctttgggat	atttggttaat	ggacattttcc	tacaaggcag	cataacatttt	ataattggaa	780
ttctccaggt	aagaagtcag	aaaagcaatt	taagaacatc	ttggacttgt	cagactaatt	840
gcataacagt	tatgaattaa	atccaaaatc	cagaattaa	taccatagat	catcttttcc	900
actttacttg	cagggcagtc	tttaataaaa	gcttcatttg	cttttaaagt	gcttcctaaa	960
ctccttccac	cactctcatg	taaacatcta	aaatacattt	ttttttcccc	aagacagtgt	1020
tctgctgtcg	cccaggctga	agcacagtgg	tgcaatcttg	gctcactgca	gcctccacct	1080
cttgggttcc	agcgattttc	ctgcctcagc	ctcctgggta	gctgggatta	caggcatgtg	1140
ccaccatgcc	tggctaattt	ttgcactttt	agtagagaca	gggtttcacc	atgttgggca	1200
ggctgggtctc	gaactcctga	cctcagatga	ttcacctgcc	ttggcctccg	aaagtgtctag	1260
gattataggc	gtgagccacc	atgcctagcc	taaaatacat	ttttgtcatg	aagtgtttat	1320
aagaggtgaa	agaagttttt	gttggttttg	tttactgtg	ctttttcatt	gacaaaaaaa	1380
tgaacaagg	gattatggta	gaaaaagttt	tagattttctg	agtaaaccac	aactgattat	1440
gatgatgaag	aagggaaata	tttttagagg	aggaaactaa	aaaatagaca	cattaaaaaa	1500
atgggtcagt	tattcagtg	aaactgcatt	attcaaaaa	cagacctggg	ctttcctagc	1560
aatgtacttg	tttaggaaac	aaactgatgt	attaggttta	catttgattc	ctttaaaaata	1620
aacacacaaa	gaaccttgat	ccatagaaaa	actacataaa	cagatttgaa	aagtattttat	1680
ctaacagttt	ctttatttta	ctcaccta	ggagtttagt	gaccaaaatt	tgaagttttg	1740
gaagagatcc	aaaaacattc	aaaataagtt	catggccttc	taacagggca	gtagaacatg	1800
atccaacagg	attagagaca	gccaagtagg	aaagacttct	gcctagcaaa	cactgacca	1860
agtccagaat	attctctgca	tagcagcatt	atatacatga	gtaggtcctg	ggttcatttc	1920
agttttcttt	tcttttcttt	tcttttcttt	tttttttttg	agatggagtc	tcgatcttgt	1980
cgtccaggct	ggagtgcaat	ggcatcgtct	cggctcactg	caacctctgc	ctccctaatt	2040
caagtatttc	tctgctctca	gcctcccata	tagctggggt	tacaggtgcc	tgccaccatg	2100
ccgggcta	ttttgtattt	tttagtaga	cagggtttca	ctgtgttgge	caggatgggtc	2160
tcgaactcct	gacctcaggt	gatccgccc	tctcgccctc	ccaaagtgct	gggattacag	2220
gcgtgagcca	ctgcaccag	cctcattgca	gttttctatt	atgttgatgg	aggctgtctc	2280
taaggagctc	tctcatacca	aatgaatcct	gagccttacc	aaaaggcagg	gttttttctc	2340
ttgtaaatgt	ttacattcat	attctaata	atagtacact	aataatggat	tttatgtatc	2400
atccagaccc	atgaatccca	aatctatatc	tctgatctag	acctcttctc	tgcacttcaa	2460
gtgcctctat	atccaatggc	cacagatgtc	taacaggcat	ctcaacttca	tgtgatgtct	2520
ctctgatagg	aacattattt	ccaccccaaa	cctgttctct	tctgtttttc	cagttttaat	2580
aaatgactcc	accattcacc	tgatttctcc	aagatgtatc	ctcaattatt	cccttttctt	2640
cataccctgt	atctatttca	ccagcaagct	ctaccttatt	tgatctgctt	ccaatgcata	2700
tcttgaatcc	atccacttct	ctccatttct	gttttcttaa	tctaagttgt	aattatttct	2760
tgcttgggtc	ttctccctga	tattcttgcc	tccttactct	cagcttaata	cagagcatcc	2820
agtgtgctct	tttaaaaact	ttacaatcag	ctcacttact	tttcagcttg	aaatgctttg	2880
aagcagagca	gtgatctggg	tcctgccgac	tgccccaatt	tcacactggc	tcatgctctg	2940
catgcacttc	cttaaagagg	ccaagacctc	tcccacctct	gggcttttca	ttgtttctct	3000
ctgcctagaa	tgcacttccc	tccgctgatt	cattcttgtc	cttctggcct	ctgagagcct	3060
ttctcccagt	taccttctca	tgacccagtt	ctttccttca	ttgaactaat	cacgatctgt	3120
aattatattt	tttggttttt	tttttgtct	gtcttctccc	tgtagaatg	taagctctat	3180
gacggacctt	ttctaacttg	tttgccattg	ttgcccacac	ttggagccta	gctcatgcct	3240
gctacataat	gggtgctcaa	taaatatattg	ttaaatgaat	gaatcataca	gcagctcaac	3300
ttggattata	atthagatag	tctaattttat	attccagtag	ttatcatgct	acctcaaa	3360
aaaatggagg	taagaaaaaa	aatactgata	gccaagtcct	cccctcactc	cacaaaaaaa	3420
gaggggttgt	tgtatgtgtg	tgtatacatt	tactcagttc	aattccagct	taacaccatt	3480
gggtattaac	tgtgtatatg	atactgtact	acaagttggg	acttcagcat	aaattaaatg	3540
atacctgcct	ctaagatgaa	taaaaggaca	tgggcaaata	cacaactagc	cacaagtcag	3600
ctggtgtgtt	ataagcaact	gtgcttgaag	ttaaattagct	aacgccaaaga	cagatagcag	3660
catagtctta	ggatccacta	ataatgcatt	attaagacca	aactcttcca	aggacttggg	3720
agtaagctat	ggttctgttc	ttttccagct	ggcggttttt	aacatccctc	tgatggctta	3780
catgtgttgg	agcttgcctg	agcggtgctt	tggtcacac	ttcaggtctc	atctccatca	3840
aagaaaatac	ttgaaaatta	tgcttgttca	cctacttatg	ctactgctgt	acatctggca	3900
ggtttattcc	tgctactttc	tttatgcaac	atacggcacc	ctagcttttt	tattctcccc	3960
tttgcggaac	tggttgacac	tgctgacacc	tgttctcatt	cgttatgtgt	ggacactgaa	4020
ctccaccaag	tttggaaatc	tcatgggtgca	gttaaaaaag	cacctgagct	cctgaaggcc	4080
atgtctcacc	actggcagct	gggcagaagc	ccagcctctg	tgtctgtagc	ccaggcctct	4140
acccagtag	cagggtggag	gccaggattg	tggggtgagc	tttagggagc	agctgctcgt	4200
ttggagtcc	ggacgttggg	gggattacc	actactgata	cctgcagaat	ggactgcaga	4260
aaagtctcaa	aaataatgcc	tttatctctt	ccctccctaa	ggaggcaaag	agttgattta	4320
cctttgtgaa	gagaaaacc	ttatctagga	catccacagg	gtagaggttg	gggtgtgtga	4380

cgggagtgct	tgaggcccag	tgtgtttttt	agggttaccc	catgtaaagc	acttaccgct	4440
gtgcttgaa	ttcagcagct	gtcaaagggt	caatttcagg	ggcaggggaa	ctttgaggat	4500
ctgggcccga	ccctcactac	ccctgagata	ttagttccca	ggcctgtttt	cccacaggat	4560
tgtgggctct	ctgcttcctt	agtcggaagt	gttttcaact	aatcaaataa	atgaatgaat	4620
gatgaataag	aaagac					4636

<210> 12739  
 <211> 567  
 <212> DNA  
 <213> Homo sapiens

<400> 12739						
tccttttgta	ggtgtaattc	ataacatatg	cctttctgct	gtcttttaggt	ataatcagca	60
acagcagtc	ttctttgagt	gactaatgta	tacttggggg	tgggggttgaa	attccttaag	120
ccaaatgagt	tttagcttac	tgttttgaag	tgccattttg	tattgttaac	aagtgtcatg	180
aagggaagga	actaaaatca	aactgacaga	gtgtcaaggc	aacaaaataa	cataaacaaa	240
ataataacat	tgtacaacag	tctagtctct	ttatcctttc	atatagagcc	tattttttat	300
atacttttat	atttctctac	tggaccaa	tcagtgtatt	aacatcagac	tttaattgtg	360
ggatacttaa	tgaatataga	actctaata	aaagacttac	ctctagctga	attattctct	420
caggctcctg	attgtataac	ttcgttcagt	catgtttgga	tctttaagga	taatgatcag	480
ggaaagcact	gatcaatgta	attttttttt	tttttttttt	tttttgagat	ggagtcttgc	540
tctgtccccc	aagctggagt	gcagtgg				567

<210> 12740  
 <211> 4636  
 <212> DNA  
 <213> Homo sapiens

<400> 12740						
caagacaaaa	tgacaataat	aataataata	atacctagaa	actcacacac	tgagaatggg	60
gcagtaaaaa	ataatagggg	ggaatagaaa	gtcagcatgg	cattccagat	gagaaaactg	120
aagcaagtta	aactttctac	atggtaaccg	tgattatgta	gttgatatac	aaagtaatga	180
ctgtgggcct	tcaagaagag	gttaaaaatac	attcattata	ttaacgagtg	catcttagaa	240
agatttcttt	caaaaagtag	ttgaagtttt	tttgctttta	ggagtaaatc	tcaatcatct	300
ggaaatttaa	cttctgtgga	atacctcttt	acatcttaaa	ggaaatgtta	atgcattata	360
ttgaggttat	tattgcaatg	gaattttcaa	aaatgtgagt	gtgctttttt	tgtttctaga	420
atctataaga	cacatatctg	ttctaggtat	agtgtctact	aagacaattt	cacaatccaa	480
aaaatagttg	gttagcaagg	atatcaagta	caacacagag	actagcaaag	aggggaaggct	540
atgaaataaa	atgcttatag	atggctagtc	tcatactctt	gctttattcc	tataaatgta	600
tctcatgata	tatgtaatca	gaatttatgt	ttttaatctt	cctccttttt	tgtccattgc	660
ctcttttagg	tccatggttt	tttggtgaaa	tcattgatgg	caaatttggt	tgctgctttt	720
cctttgggat	atttgttaat	ggacatttcc	tacaaggcag	cataacattt	ataattggaa	780
ttctccaggt	aagaagtcag	aaaagcaatt	taagaacatc	ttggacttgt	cagactaatt	840
gcataacagt	tatgaattaa	atccaaaatc	cagaattaag	taccatagat	catctttcct	900
actttacttg	cagggcagtc	tttaataaaa	gcttcatttg	cttttaaagt	gcttcctaaa	960
ctccttccac	cactctcatg	taaacatcta	aaatacattt	ttttttcccc	aagacagtgt	1020
tctgctgtcg	cccaggctga	agcacagtgg	tgcaatcttg	gctcactgca	gcctccacct	1080
cttggtgtcc	agcgattttc	ctgcctcagc	ctcctgggta	gctgggatta	caggcatgtg	1140
ccaccatgcc	tggctaattt	ttgcactttt	agtagagaca	gggtttcacc	atgttgggca	1200
ggctgggtctc	gaactcctga	cctcagatga	ttcacctgcc	ttggcctccg	aaagtgtctag	1260
gattataggc	gtgagccacc	atgcctagcc	taaaatacat	ttttgtcatg	aagtgtttat	1320
aagaggtgaa	agaagttttt	gttggtttttg	tttcaactgtg	ctttttcatt	gacaaaaaaa	1380
tgaacaagg	gattatggta	gaaaaagttt	tagatttctg	agtaaaccac	aactgattat	1440
gatgatgaag	aaggaaaata	tttttagagg	aggaaactaa	aaaatagaca	cattaaaaaa	1500
atgggtcagt	tattcagtgg	aaactgcatt	attcaaaaac	cagacctggg	ctttccttagc	1560
aatgtacttg	tttaggaac	aaactgatgt	attaggttta	catttgattc	ctttaaaaata	1620
aacacacaaa	gaaccttgat	ccatagaaaa	actacataaa	cagatttgaa	aagtatttat	1680
ctaacagttt	ctttattttta	ctcaccta	ggagttagt	gacaaaatt	tgaagttttg	1740
gaagagatcc	aaaaacattc	aaaataagtt	catggccttc	taacagggca	gtagaacatg	1800

atccaacagg	attagagaca	gccaaagtagg	aaagacttct	gcctagcaaa	caactgaccca	1860
agtccagaat	attctctgca	tagcagcatt	atatacatga	gtaggtcctg	ggtttcatttc	1920
agttttcttt	tcttttcttt	tcttttcttt	tttttttttg	agatggagtc	tcgatcttgt	1980
cgtccaggct	ggagtgcatt	ggcatcgtct	cggctcactg	caacctctgc	ctccctaatt	2040
caagtgattc	tcttgctca	gcctcccatg	tagctggggt	tacaggtgcc	tgccaccatg	2100
cccggcta	ttttgtattt	ttagtagaga	cagggtttca	ctgtgttggc	caggatgggc	2160
tcgaactcct	gacctcaggt	gatccgccc	tcctggcctc	ccaaagtgc	gggattacag	2220
gcgtgagcca	ctgcacccag	cctcattgca	gttttctatt	atgttgatgg	aggctgtctc	2280
taaggagctc	tctcatacca	aatgaatcct	gagccttacc	aaaaggcagg	gttttttctc	2340
ttgtaaatgt	ttacattcat	attctaataa	atagtacact	aataatggat	tttatgtatc	2400
atccagaccc	atgaatccca	aatctatatc	tctgatctag	acctcttctc	tgcacttcaa	2460
gtgcctctat	atccaatggc	cacagatgtc	taacaggcat	ctcaacttca	tgtgatgtct	2520
ctctgatagg	aacattattt	ccaccccaaa	cctgttcctc	tctgtttttc	cagttttaat	2580
aatgactcc	accattcacc	tgatttctcc	aagatgtatc	ctcaattatt	ccctttcctt	2640
cataccctgt	atctatttca	ccagcaagct	ctaccttatt	tgatctgctt	ccaatgcata	2700
tcttgaatcc	atccacttct	ctccatttct	gttttcttaa	tctaagttgt	aattatttct	2760
tgcttgggtc	ttctccctga	tattcttgcc	tcttactctc	cagcttaata	cagagcatcc	2820
agtgtgctct	tttaaaaaact	ttacaatcag	ctcacttact	tttcagcttg	aaatgctttg	2880
aagcagagca	gtgatctggg	tcctgccgac	tgccccaatt	tccacctggc	tcatgctctg	2940
catgcacttc	cttaaagagg	ccaagacctc	tcccacctct	gggcttttca	tttgttccct	3000
ctgcctagaa	tgcaacttccc	tccgctgatt	cattcttgtc	cttctggcct	ctgagagcct	3060
ttctcccagt	tacctttctca	tgacccagtt	ctttccttca	ttgaactaat	cacgatctgt	3120
aattatattt	tttgggtttt	ttttttgtct	gtcttctccc	tgtagaatg	taagctctat	3180
gacggacctt	tcttaacttg	tttgccattg	tgcccccaac	ttggagccta	gctcatgcct	3240
gctacataat	gggtgctcaa	taaaatattg	ttaaatgaat	gaatcataca	gcagctcaac	3300
ttggattata	atttagatac	tctaattttt	attccagtac	ttatcatgct	acctcaaaaca	3360
aaaatggagg	taagaaaaaa	aatactgata	gccaaagtcct	cccctcactc	caccaaaaaa	3420
gaggggttgt	tgtatgtgtg	tgtatacatt	tactcagttc	aattccagct	taacaccatt	3480
gggtattaac	tgtgtatatg	atactgtact	acaagttggg	acttcagcat	aaattaaatg	3540
atacctgcct	ctaagatgaa	taaaaggaca	tgggcaaata	cacaactagc	cacaagtcag	3600
ctgttgtgtt	ataagcaact	gtgcttgaag	taaattagct	aacgccaaaga	cagatagcag	3660
catagtctta	ggatccacta	ataatgcatt	attaagacca	aactcttcca	aggacttggg	3720
agtaagctat	ggttctgttc	ttttccagct	ggcgtttttt	aacatcccct	tgatggctta	3780
catgtgttgg	agcttgcctg	agcgggtgct	tggtcacaac	ttcaggtctc	atctccatca	3840
aagaaaatac	ttgaaaatta	tgcttgttca	cctacttatg	ctactgctgt	acatctggca	3900
ggtttattcc	tgctactttc	tttatgcaac	atacggcacc	ctagcttttt	tatttctccc	3960
tttgcggaac	tggttgacac	tgctgacacc	tgttctcatt	cgttatgtgt	ggacactgaa	4020
ctccaccaag	tttggaatct	tcatgggtgca	gttaaaaaagc	cacctgagct	cctgaaggcc	4080
atgtctcacc	actggcagct	gggcagaagc	ccagcctctg	tgtctgtagc	ccaggcctct	4140
accccagtag	caggtggagg	gccaggattg	gtgggtgagc	tttagggagc	agctgctcgt	4200
ttggagtctt	ggacgttggg	gggattaccc	actactgata	cctgcagaat	ggactgcaga	4260
aaagtctcaa	aaataatgcc	tttattcctt	ccctccctaa	ggaggcaaag	agttgattta	4320
cctttgtgaa	gagaaaaacc	ttatctagga	catccacagg	gtagaggttg	ggtgtgtgta	4380
cgggagtgtc	tgaggccag	tgtgtttttt	agggttaccc	catgtaaagc	acttaccgct	4440
gtgcttggaa	ttcagcagct	gtcaaagggtg	caatttcagg	ggcagggaac	ctttgaggat	4500
ctgggcccga	ccctcactac	ccctgagata	ttagttccca	ggcctgtttt	cccacaggat	4560
tgtgggctct	ctgcttcctt	agtcggaagt	gttttcaact	aatcaaataa	atgaatgaat	4620
gatgaataag	aaagac					4636

<210> 12741  
 <211> 567  
 <212> DNA  
 <213> Homo sapiens

<400> 12741						
tcctttttgta	gggtgaattc	ataacatatg	ccttttctgct	gtcttttaggt	ataatcagca	60
acagcagtc	ttcttttgagt	gactaatgta	tacttgggggt	tgggggttgaa	attccttaag	120
ccaaatgagt	tttagctttac	tgttttgaag	tgccattttg	tattgttaac	aagtgtcatg	180
aaggggaagga	actaaaatca	aactgacaga	gtgtcaaggc	aacaaaataa	cataaacaaa	240
ataataacat	tgtacaacag	tctagttctt	ttatcctttc	atatagagcc	tatttttttat	300

atactttttat	atttctctac	tggaccaaat	tcatgttatt	aacatcagac	tttaattgtg	360
ggatacttaa	tgaatataga	actctaatat	aaagacttac	ctctagctga	attattctct	420
caggtcctgt	attgtataac	ttcgttcagt	catgtttgga	tctttaagga	taatgatcag	480
ggaaagcact	gatcaatgta	atTTTTTTTT	TTTTTTTTTT	TTTTtgagat	ggagtccttg	540
tctgtccccc	aagctggagt	gcagtggt				567

<210> 12742  
 <211> 7784  
 <212> DNA  
 <213> Homo sapiens

<400> 12742

accacaagtc	ctgaagagaa	aagaaaaatc	attgggggata	cttttggttaa	ggtacctttg	60
tttttaatat	cctcaacatg	tactatTTTT	gatgtgaatc	tttagtatttg	tttttccttg	120
tcactatatc	aaataaccaa	attagctaata	tttaatcctt	tttcttatgt	ggctgagagt	180
tttattgtat	attgtcatta	tattgaccag	tagaaactgt	tttatgtttt	tttggtgttg	240
tttggttttt	tttttgtttt	tttgagacag	agtcttgctg	tgtcaccagg	ctgggctgga	300
gtgcagttgc	acgatctcgg	ctcgctgcaa	cctctgcctt	ctgggttcaa	gtgattctcc	360
tgcctcagcc	tcctaagtag	ctgggactac	aggggtgcac	catcatgccc	agctaatttt	420
tgtactttta	gtagagacgg	gggtttcacc	atgttgggca	ggttgggtccg	gatctcctga	480
cctcatgatc	cgcccgccctc	agcctcccga	acttctggga	ttacagggtgt	gagccactat	540
gcccagccaa	ctgttttatg	ttttaataaa	catgtttgcc	tacattgcca	ggctattatt	600
ttaagaatag	atgtcttttaa	gagtagatgt	attcagctta	tcatagactt	taattcattg	660
attatctcaa	tggctaatttt	caagctcttg	aatggaatgt	tcacatacct	ttgtttttgt	720
tttttttttt	ttttggaggc	ggagttttgt	tcttgctact	caggctggag	tacaatggag	780
cgatcttggc	tcacggcaac	tttcacctgc	tgggttcaag	cgattctcct	gcctcagcct	840
cccagtagtc	tgggattaca	ggcatgcacc	accatgccc	gctaattttt	ttcttttttt	900
gagatggagt	ctcactctgc	cgcccaggct	ggagtgtagt	ggtgcaatct	tggctcactg	960
caaactttgc	ctccagggtt	caagcgattc	tcctgcctca	acttcctgag	tagctgggat	1020
tacaggcgtg	tgccaccatg	cccggctagt	ttttgtattt	ttagtagaga	cgggggtttca	1080
ccatgttagt	caggctggtc	tcaaactcct	gacctgtgtg	tctgcctgcc	ttgcctccca	1140
aagtgtctgg	attacaggcg	tgagccacca	cacctggcca	ctaattttgt	atatttagta	1200
gagatggtgt	ttcatcatgt	tggccaggct	ggtctcgaac	tcctggcctc	aagtgatcca	1260
ccccactcag	cctcccaaag	tgctgggatt	acaggcgtga	gccactgtgt	ttggcctcat	1320
gtaccttttt	gaatcgtgtt	agaggacatg	ttcatthaag	agttttattt	ggagattggt	1380
ggattttatt	ttctgatcag	tatttctaaa	ggactctaag	agatttagct	gaaagtataa	1440
acttttgctt	ttaaaaaaag	ttatctctta	caaggctgtt	ttactcctgt	tgattataga	1500
ttgccaatga	agtaattgga	gaaatgaact	tgaaaaccaga	ggagggtttt	cttgcccaag	1560
gtacttttac	gcctgatcta	attgaaagtg	catcccttgt	tgcaagtggc	aaagctgaac	1620
tcatacaaac	ccatcacaaat	gacacagagc	tcatacagaaa	gttgagagag	gaggtaaaaag	1680
tttatgaaaa	ctttttcata	aagtagatac	atggaaagtc	ttccattcct	ccctcctcct	1740
ccctctaata	ttcacagaat	tgcataacca	tcaccacatc	taatttttaga	acattttcct	1800
taccctaaaa	aggaacctta	taccatttag	cagtcactcc	tcgttctacc	tgttgttgtc	1860
attgtcatcc	tgcctccacc	ccccagctcc	tcctttcctc	ctttcttgcc	agccctaggc	1920
aattaccaac	cactaattta	ttttctgtct	ctatagattt	gcttattttg	ggcattttat	1980
ataaatggaa	tgggtacaata	tgtggtcttt	tatgactggc	ttcttttact	taccgtaatg	2040
ttttcaaggt	tcatecatgt	tgctgcatgt	atcagaactt	tattcctatt	tattgccaga	2100
taatattcca	tcttatgggt	ataatgcatt	gtatttatcc	tttgatcagc	tgatgggctt	2160
ttgggttatt	tccacttttt	ggctgttata	agtaatgccg	ccatgaatac	tgggtcataag	2220
tttttggtga	tatgtgtttt	tatttctttt	ggtatatgcc	tgggagtaga	attgctaggt	2280
cttaagggtt	aacatttttg	tgaattgcc	aactattatt	taaaatgatg	atacaatttt	2340
acattcgcac	tagcaatcta	tgagattcaa	atTTTTccac	atcctcacca	agacttggtg	2400
ttatctcttt	tcttattgta	aaaaacacat	aacataaagc	ttaccatctt	aactctgatt	2460
tttttttttt	tttgagacag	agtctcactc	tattgccc	gctggagagc	agtcatgcga	2520
cctcggetca	ctgcaacctc	tgcctcccgg	ttcaagagat	tctgctgcct	cagcctctca	2580
agtagctggg	attacaggca	tgcgccacga	ggcccggcta	atTTTgtatt	tttagtagag	2640
atgggggttt	actatgttgg	ccaggctggg	cttcaactcc	tgacctcagg	tgatccgcct	2700
gcctctgcct	cccaaagtgc	tgggattaca	ggtgtgagcc	actgcaccca	gcctcatctt	2760
aactattttt	aagtatatag	ttcagtagtg	ttaggtgtat	tcacattgtt	gtaaaacaga	2820
tcttcagaac	ttttcatctt	gcaaaaacaaa	ctctataccc	gttaaaaaac	aactctccct	2880

tttttctggc	ccccaccctc	tggttaaccac	cattctgctt	tctgttttcta	tgtttacta	2940
ctttaaatat	ctcatatagg	tggaatcata	cagtattgcc	tttttgtgac	ttgcttattt	3000
cacttagcat	aatgtcctta	aggttcattc	atgttgtagc	atgtgacaga	atttccttct	3060
tttttaagac	tgaaaaatgg	gccaggcaca	gtgggtcatg	cctagcgctt	tgggaggctg	3120
aggcgggtgg	atcacctggg	gtcgggagtt	tgagaccagc	ctgggtcaaca	tgatgaaacc	3180
ccgtctttac	taagaatata	aaaatttagcc	aggcgtgatg	gcgggcatct	ataatgccag	3240
ctccttggga	ggctgaggca	ggagaatggc	ttgaaccctg	gaggcggagg	ttgcaatgag	3300
ccaagactgc	cattgcactc	tagcctgggc	aacaagagtg	aaactctgtc	tcaaaaaaac	3360
aaacaaacaa	acaaaacaga	ctgagtaatg	tactactata	tgtatataac	acattttgcc	3420
tatccatttt	tgtttatctt	ttggatatat	gcccagaatt	gggattgctg	gatcatatgg	3480
tagttctctt	tttaattttt	ttgaggaact	tattgtccat	agcaattgca	ccattttaca	3540
atctaaccat	aagtacataa	tgactccaat	ttttccaaat	gcttacaatt	tgttattttc	3600
tattttttta	tggttgtggt	atctgacttt	taaaaatttt	agtcactctg	ctcagcacag	3660
tggtcatgac	ctataatccc	agcacttttg	gaggctgagg	cagggtggatc	acttgaagcc	3720
aggaatttga	gaccagcctg	gccaacatgg	tgaaaccctg	tatctactaa	aaatacaaaa	3780
aaatttagcca	ggtttgggtg	tgcatgcctg	tagtcccagc	tactctggag	gctgaggcag	3840
gagaattgct	tgaacctggg	aggcagaggt	tgcatgagc	caagattatg	ccactgcact	3900
cccgctgag	cgacagagcg	agactctgtc	ttaaaaaaa	gtaataaaaa	atgttagtca	3960
tcctagtgt	tatgaagtgg	tatatctcat	tttgatttgc	atttccctaa	tagctaata	4020
tggtgagcat	tttttcatgt	tcttgcttat	tggtcatttg	tgtatcttgg	agaaatgtct	4080
attcgatatc	tttgctcctt	tttttaaaaa	ataattttta	gttcgaggat	ataagtgtag	4140
gtttgttaca	taggtaaact	tgtgtcatag	gggtttgtta	tacagattat	ttcatcaccc	4200
aggtatttag	cctagtaccc	attagctttg	cttatttttt	aattgactta	tttatttttt	4260
tattatttag	ttgtaaatgt	tctttatata	ttctggttac	aagtctttta	tcagatatac	4320
gacttgcaaa	tgtcttctct	agttctgtga	gttgccttca	ttttctcaat	gataacattt	4380
ggagaattat	aatttttgaa	cactagtata	ttttctaatt	gctttgtatt	ctaattgaga	4440
ttagatcaga	gatgatggat	tggtttaccc	tgatttattt	atatttaaaa	agcttatgtt	4500
taaaatgtgc	ttcaaagaga	aataataccc	ataagatatt	cgtctaattc	cttataggca	4560
cttaggaaca	aatactttta	aagatgcatt	tttagtaata	atctgttagt	ctaagaaaag	4620
tggttaacagg	aaaagccaat	aattttattac	gctttgtttt	ccatgtcatc	ttggttacta	4680
gtttatatatt	gttggcttct	ttcctccctg	tagggaaaag	taatagaacc	tctgaaagat	4740
tttcataaag	atgaagtggg	aattttgggc	agagaacttg	gacttccaga	agagttagtt	4800
tccaggcatc	catttccagg	taaaaatag	aactgaattt	tgtttgattc	atctttagac	4860
cttcatgttg	aagaaaaatc	aattcagaca	attctgaaat	aactgtcatc	ctcagggaat	4920
atgtaacatg	agagaaagga	aaggatgggt	agggaaataat	tgaaatcttt	tgagtatcta	4980
ctgtattttac	ttcattttat	taaatactca	ttttccattg	tatctgcatt	taagtgttac	5040
attatccttg	ggagtctggc	atctgatgtt	gccatcagat	gagaaaacca	agacataaag	5100
atattttta	aatattgcca	cacagtccta	gtagtagagc	taggatttgt	tatattattt	5160
gtaccatacc	gcagtgcgtt	ccatggaaga	tgtgaggatt	taaatttagc	tctttaaaat	5220
ccttgcctta	tgtctgactt	gtttgaatgg	atgaaccact	tattctgtgc	agagaattcc	5280
tggcacaaatg	taactaattc	ctgaacaaat	aatacttcat	ttgctgtcat	atagaaaaaa	5340
attagagggtg	atacttgttt	aaagttagga	ctgcaagtct	taacctgttt	ttgttactag	5400
ttcttgagag	gttgggcaag	tctgtacatc	aggttctagc	tcactgtaat	agtgttagg	5460
ggatgatattg	ggagaatgac	ctaattgaat	tgaaaagcat	aataatagcc	aacatttctt	5520
aagtactttc	tatgtgctag	gcactctgct	aaatacattt	tattgtctta	tttaatcttc	5580
acagtggaaa	ctactattat	cctgtttttac	agatgaagaa	acttagggac	agcgactaat	5640
ttgccaanaag	ttatgcagat	tgaaaggagt	ggagccagaa	tgatatcccc	aataattttt	5700
atctcagagt	ttatactctt	aatgatcata	ttggctccat	aaacagcttt	acacatgtat	5760
aacctatgac	gtgattagca	cttgttctca	aatcaagtaa	tcagattgag	atcttttagtc	5820
cctaacctgc	atgccggcga	agaatgggtc	gtggaccggt	gtgggtggctc	atgcctgtaa	5880
ccttgagtct	actaaaaata	gaaaaattag	ccaggtgtgg	tggcatgtgc	ctgtaattct	5940
agctactcgg	gaggctgagg	caggagaatc	gcttgaaccc	gggaggcaga	ggttgccagt	6000
agacaagatt	acaccacagc	actccaacct	gggcaacaga	gcatgactcc	atcttaaaaa	6060
aaaaaaaaaa	gaaaaaaaaa	aaagaaaaga	atgatctgtg	aatgtaatgg	aggggaagcca	6120
agtgttctat	gtccttggtc	attattttcat	ctagactcac	ttgatgtttt	aaaaatctat	6180
tttgatatgt	gagttttcta	ttatgtaaga	cttcattggc	aaaaatgggt	ttactgcttt	6240
aaaaactatc	ttaagtatgc	tgttttattct	aaaggtaaag	aatggactag	ggaattaatt	6300
ggacatagct	gaggttttgc	ctataactag	gcactctcaag	tgatgccttt	tctgtttag	6360
taaagcagca	ggatccagtt	ttccatagat	ctatgcacac	cttgtgtttt	tatcaacttt	6420
taagtatttg	gtaaaataga	ggttgggtac	agtggctcat	gcctgtaatt	ccagcacttt	6480
gggaggccta	ggcaggcaga	tcacttgagg	tcaggagtcc	cagaccagcc	tggtcaacgc	6540

ggtgaaaccc	gatctctact	aaaaatacaa	aaaattagct	gggcatggtg	gtgcatgcct	6600
gtactaggta	cactgggtggc	tgctagggga	gggtaaggca	ggagaatctc	ttgaacctgg	6660
gaggtggaag	ttgcagtgag	ctgagatcgt	gccactgccc	tccagcctgg	gtgacagaa	6720
gagagtctgt	caaaataaaa	tagaaatacc	agttcacatt	ttttggtatt	aaaaactcac	6780
attattttatt	agattatgtg	tatatattta	cagtataata	ccattcctaa	aattagattg	6840
atagttgaag	ctggatgata	agtaaggtag	ttaattatac	tgtectcttt	atgtatatgt	6900
tggaaaattc	ccttattaaa	aactttggat	gagcacatat	gttataaaact	aaaaatattt	6960
actggataat	tttgtgatac	ttaatacatg	gactgtaaaa	ataggatagg	ccaagtgcag	7020
tcagtggctc	atgcctgtaa	tttcagcatt	tccagaagcc	gagcttctgg	agttcaagac	7080
cagcctgaac	agcatagtga	aacccctatc	tttactgaaa	aaattagcca	ggcatggctg	7140
ccggtgcttg	taatccaagc	tatttaggag	gctgagggtg	gaagactgct	tgagctcagg	7200
aatttgaggc	tgcagtgagc	aataattgca	ccactgcact	ctagccttgg	tgacagagca	7260
agactctatc	tcttaaaaaa	agggagatag	gaatgatagg	gagagaatta	aacatactgt	7320
cttatttgag	cctcacaatg	gaaactatga	tagtattacc	ctgttttata	gatgaagaaa	7380
cttagggaca	gagattaata	tgccaaaaag	ttatgcagac	taaaacgtat	gcataattta	7440
aatgttgcag	cattctaaat	gttacaacat	ttttagaatg	ttgaagcatt	ctaaaaaatg	7500
ctgagttgaa	tgggaaacta	atagctacat	ttggatactt	atgatgggca	gatggatttt	7560
aattttggaa	aggttttatg	ttttgaaact	agtggcattt	ttatattaga	tttttatatt	7620
agaaatataa	cattaatggt	aaatactatt	attactccta	ccttttaggtc	ctggcctggc	7680
aatcagagta	atatgtgctg	aagaacctta	tatttgtaag	gactttcctg	aaaccaacaa	7740
tattttgaaa	atagtagctg	atttttctgc	aagtgttaaa	aagg		7784

<210> 12743  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 12743	ttttttgtat	tttttagtagt	gatgggattt	caccatgtta	gccaggatgg	tcttgatctc	60
	ctgacctcgt	gatccacctg	tctcggcctc	ccaaagtgtc	gggat		105

<210> 12744  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 12744	gggggttttaa	tttatgtaat	gtgtgtgggc	tgaaaattgc	aacgaaataa	ttttaaagtg	60
	gatctggggt	ggtagtgctt	atgggagtta	ggcaaggaaa	aatgcagatt	ctcttttagaa	120
	tatcttcacc	taggtcccaa	aggattctca	tagatagatt	tccaacaaat	atgaggttat	180
	aataaaaaat	acaatc					197

<210> 12745  
 <211> 1033  
 <212> DNA  
 <213> Homo sapiens

<400> 12745	attttttgta	ttttttctag	agacggtttt	cgccatgttg	ggcaggttgg	tcttgaactc	60
	ttgaactcct	gacctcaggt	gatccacccg	tctcagcctc	ccaaagtgtc	gggattacag	120
	catgagccac	tggccgactt	ttgcttcctt	tacagattac	tttgagatt	gacatccagg	180
	ctataccctt	gtttatgtga	gcgaggctgt	gttgtaggca	ctggcactat	acttacacag	240
	aagttggcaa	cttctcattg	ccttgacaaa	atgtggataa	tagtaataac	aaactaatgt	300
	tgaatgatta	gaattttaat	cagttcttta	aaagtagcca	ttattttggc	atgttaggta	360
	gggagagatt	caaattattt	atgttatctt	cccaacttga	gaatggcatt	attagatcaa	420
	gccattagac	ttatagattg	cggaagattt	agatgtactt	cttaattatg	aaaattacat	480
	ttaccttact	caaataaccc	catatatacc	taaaagtttt	aataaactaa	agcatgacca	540
	catgactcaa	tcagctgtcc	gtaataacct	gtggtatagg	taggacttag	ttgggcaaag	600



ggtgagatgt	ggccatcttc	acgggctcat	aagagataac	caaggctcct	tcaggctcggc	660
cagcctcatc	atgcctcagc	tctttcta	cctgcttatt	agtaagggtg	atgtttattc	720
atattttat	ttggttagtt	aaataacagg	cgcgaattta	ctgtgttact	taaattttac	780
ttaagtaaaa	tttaagaaga	agaagaagat	gatgactgta	aaaacaaagg	tgtgaatata	840
tttagctata	catgagatag	gatatacaat	acataaatag	ttcaatttgc	agttgcacag	900
tgccatttca	cccagggttaa	acaataggaa	gactcgatgc	atacgtgtca	tctgtaaatg	960
ctctcatgtg	aaagaaattg	tgaagtaaaa	taaagtatct	tgagtagaaa	tttttctaca	1020
ttttctcaaa	ata					1033

<210> 12746  
 <211> 1033  
 <212> DNA  
 <213> Homo sapiens

<400> 12746	
attttttcta	ttttttctag
ttgaactcct	gacctcaggt
catgagccac	cggccgactt
ctataccctt	gtttatgtga
aagttggcaa	cttctcattg
tgaatgatta	gaattttaat
gggagagatt	caaattat
gccattagac	ttatagattg
ttaccttact	caaataaccc
catgactcaa	tcagctgtcc
ggtgagacgt	ggccatcttc
cagcctcatc	atgcctcagc
atattttat	ttggttagtt
ttaagtaaaa	tttaagaaga
tttagctata	catgagatag
tgccatttca	cccagggttaa
ctctcatgtg	aaagaaattg
ttttctcaaa	ata

<210> 12747  
 <211> 1033  
 <212> DNA  
 <213> Homo sapiens

<400> 12747	
attttttcta	ttttttctag
ttgaactcct	gacctcaggt
catgagccac	cggccgactt
ctataccctt	gtttatgtga
aagttggcaa	cttctcattg
tgaatgatta	gaattttaat
gggagagatt	caaattat
gccattagac	ttatagattg
ttaccttact	caaataaccc
catgactcaa	tcagctgtcc
ggtgagacgt	ggccatcttc
cagcctcatc	atgcctcagc
atattttat	ttggttagtt
ttaagtaaaa	tttaagaaga
tttagctata	catgagatag
tgccatttca	cccagggttaa
ctctcatgtg	aaagaaattg
ttttctcaaa	ata

<210> 12748  
 <211> 1110  
 <212> DNA  
 <213> Homo sapiens

<400> 12748  
 caggtaactt tgcaccgact ttccccaaga gaaaattcct agaaattgaa caaaaatggt 60  
 tccactggct tttgcctgta agaaaaaaaaa tgtacccgag cacatagagc tttttaatag 120  
 cactaaccaa tgccttttta gatgtatttt tgatgtatat atctattatt caaaaaatca 180  
 tgtttatttt gagtcctagg acttaaaatt agtcttttgt aatatcaagc aggaccctaa 240  
 gatgaagctg agcttttgat gccagggtgca atctactgga aatgtagcac ttacgtaaaa 300  
 catttgtttc cccacagtt ttaataagaa cagatcagga attctaaata aatttcccag 360  
 ttaaagatta ttgtgacttc actgtatata aacatatttt tatactttat tgaaagggga 420  
 cacctgtaca ttcttccatc atcactgtaa agacaaataa atgattatat tcacagactg 480  
 attggaattc tttctgttga aaagcacaca caataaagaa cccctcgta gccttcctct 540  
 gatttacatt caactctgat ccctgggcct taggtttgac atggaggtgg aggaagatag 600  
 cgcataatatt tgcagtatga actattgcct ctggacgttg tgagaattgt gctttcacca 660  
 gaatttctaa gaatttctgc taaatatcac ctagcatgtg taattttttt tccttgacctg 720  
 tgacttggac ttttgatagt tctataagaa taaggctttt tcttcccttg ggcattgagtc 780  
 agatacaciaa ggacccttca ggtgttacta gaaggcgctc atgtttattg ttttttaaag 840  
 aatgtttggc actctctaac gtccactagc ttactgagtt atcagggtgca ggtcagactc 900  
 ttggctacag tgagaggcag cttctagaca gagttgctta atgaaagggt ttgtaatact 960  
 ttacaaacca ttacctgtac ctggcctggc ctccaaaata ttaacattct ttttctgttg 1020  
 aaactcgcga gtgtaacttt cataccatt gaatttattg atatttaatt atgaaaacta 1080  
 gcattacatt attaaacgat ttctaaaatc 1110

<210> 12749  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 12749  
 aggctggagt acaggggtgc aatctcagct cactgcaacc tctgcctccc gggttcaagc 60  
 gattctcctg cctcagcttc ccaagtagct ggaattacag gt 102

<210> 12750  
 <211> 1110  
 <212> DNA  
 <213> Homo sapiens

<400> 12750  
 caggtaactt tgcaccgact ttccccaaga gaaaattcct agaaattgaa caaaaatggt 60  
 tccactggct tttgcctgta agaaaaaaaaa tgtacccgag cacatagagc tttttaatag 120  
 cactaaccaa tgccttttta gatgtatttt tgatgtatat atctattatt caaaaaatca 180  
 tgtttatttt gagtcctagg acttaaaatt agtcttttgt aatatcaagc aggaccctaa 240  
 gatgaagctg agcttttgat gccagggtgca atctactgga aatgtagcac ttacgtaaaa 300  
 catttgtttc cccacagtt ttaataagaa cagatcagga attctaaata aatttcccag 360  
 ttaaagatta ttgtgacttc actgtatata aacatatttt tatactttat tgaaagggga 420  
 cacctgtaca ttcttccatc atcactgtaa agacaaataa atgattatat tcacagactg 480  
 attggaattc tttctgttga aaagcacaca caataaagaa cccctcgta gccttcctct 540  
 gatttacatt caactctgat ccctgggcct taggtttgac atggaggtgg aggaagatag 600  
 cgcataatatt tgcagtatga actattgcct ctggacgttg tgagaattgt gctttcacca 660  
 gaatttctaa gaatttctgc taaatatcac ctagcatgtg taattttttt tccttgacctg 720  
 tgacttggac ttttgatagt tctataagaa taaggctttt tcttcccttg ggcattgagtc 780  
 agatacaciaa ggacccttca ggtgttacta gaaggcgctc atgtttattg ttttttaaag 840  
 aatgtttggc actctctaac gtccactagc ttactgagtt atcagggtgca ggtcagactc 900  
 ttggctacag tgagaggcag cttctaggca gagttgctta atgaaagggt ttgtaatact 960  
 ttacaaacca ttacctgtac ctggcctggc ctccaaaata ttaacattct ttttctgttg 1020

aaactcgcga gtgtaacttt cataccactt gaattttattg atattttaatt atgaaaacta 1080  
gcattacatt attaaacgat ttctaaaaatc 1110

<210> 12751  
<211> 17367  
<212> DNA  
<213> Homo sapiens

<400> 12751  
accatgggtct agcggtagca tcagtgtcaa ggaaaaacac ccgctactta gcagacctgc 60  
aaagggagtc tccctttccc tgggggagtt tggagaagac tctactcctc cacctcttgt 120  
ggagggcctg acatcagtcac gacctgcccc cagttatccg ggggactgtc tccctgtgat 180  
gctgtgcttc agtggtcacg ctccagtacc accttcatgt tccgtcctgt acgcctggct 240  
ctgcctttta gatagcagta gtaaattagt gaaagtacta aaagtctctg atatgcagaa 300  
gtaatggcat aagctgtctc tctctctccc tctctgtctg cctcggctgc caggcaggta 360  
agggcccccgt gtccagtgga cacataaccc acgtgacctt acctatcatt ggagatgact 420  
cacactcttt accctgcccc ttttgctttg tatccagtaa ataacagtgc agccagacat 480  
ttggggccac taccgggtccc cgcgttttgg tggtagtggt cccccgggcc cagctgtctt 540  
ttcttttatg tctttgtctt gtgtctttat ttctgcagtc tctgtctccac acacagggag 600  
aaaaaccacac cgacctgtg gggctgggtcc ctacaaagat aagggtgata gtatctcccc 660  
tcaagtgttg ccagaaggac caactaatgc cccacaccga gcaggcactt gatggatgat 720  
ggcatttact tagaaggaag gagacgattc tcatTTTTTt caccagataa aaactaagat 780  
acatgggttt aaaaaatggg ccttttgaggg attaaaggcc cagaatgaaa catgagcctc 840  
ctggcctttc ctggatcacc gtcaggcttt tattgagaga ggagcagctc cccactggct 900  
gcttggcttg tcatgtcttc actctgtctc ctttggcctt gccacagatc tacgcagacc 960  
ccaccaagag gctggagctg tacttccggc ccaaggaccc atactgccac ccagtgtgcg 1020  
ccaaccgctt cagtaccagc agcctgctgc tccgcatcag gaagagaacg aggcggcaga 1080  
aaggggtgct gggcactgag gccactccg aggtcacatt tgacatggag atccttggca 1140  
tcatctccac catttacaaa tttcagggta actgaaatct gctcttgcaa tgtctggta 1200  
tttcagggct ggccatccta gctgectgca ggagctgtgt gggctcatctg caccagtga 1260  
ggggggccag atatgcccag gggctgtggg gacacagcag ggcacaggcc ccatccagga 1320  
ggcagccttt ctctccctcca gccaacagtt ccccagagac tgcaggttca ttgctgccc 1380  
atcttcagca ttcttaagct agaaatctcc taatttttaa tgaaaccatt gtgtgggacc 1440  
aaataaaact ggtcagtaga cctccagctc tttccccacc acagtgtttt gaaccttctc 1500  
ttgtctcggc tgtgttggt cttgccctcc tagctcccga agcccttgg gacctctcc 1560  
tcctctgaac tctcagcagg ttgaacgtcc ctctggagc cctcaatcag gtttcccacc 1620  
taccaggaac cccagtgagg aagcaataaa gcaagggagg gagacgggtg agaaagacag 1680  
actctggcat tgtgcctgcc tgagccctgc cagtttcttt gggaggtggc ttggcttccc 1740  
tgagcctcag tgtccttgtc tgtgcagtgc gggctacaga gcctgcgttc cttaggccct 1800  
cgtgaagatt ccgggaggca atgcttgtga atgggccagc ctctggccca caggaggtgc 1860  
ctggcatatt actaacaagg cttagagatg gctaagttac atctgcagtt ctaggcagaa 1920  
tctgaagagt ataaagattg agaagggcaa agagtactag aaagaaaaga ggggaagaa 1980  
aaagtgaat gaaggagaag caggacctgg ggtcccatgg gttgggcatt tttaatggca 2040  
gtcattctgg tgggtcatgg cattcaccaa agagggctgt tcttttggga caaggtttcc 2100  
caagtgatcc ataaaacata acacctcata ttttctatcg aattgaacca gcatcttgct 2160  
gctctgtgtg tgtctctgga ctggcagcat cagcctcacc tgggagcttg gtagaaatgc 2220  
accaggtcag aacctgcatt tagcaagatc ccagcagatt catatgcag ttactaggtt 2280  
ggtgcaaagg taattgcagg ttttacagtt aaaagtaaca ttcattctaag aagcactgac 2340  
ctggactcca tctcaccta tcatgtagct cccacctcc ccaaaataat tttcatgtaa 2400  
gtgacttaga ctgcatggag ccaactttgc agaggcattt ggggaagggtg tgttttctctg 2460  
ccacctcac cctgcagcct ccaccacatg gccactcag cactcccta agcagatgtg 2520  
ggtgtcggtg tgtggcagct gccatttctt ggactcaatg tctgccatct gccacctct 2580  
ctttctaggg atgtctgact tccagtactt ggctgtgcat acggaagcag gcggcaagca 2640  
tacgtcaatg tatgacaagg tgctcatgct ccggcccag aaggaggcct ttttccacca 2700  
ggagctgccg ctctacatcc cccacccat cttctcccgg ctggacgcc cggtggacta 2760  
cttctaccga ccagagaccc agcacgggta agggccccc ccatgcagcc tccgttctct 2820  
atcctgaaaa tgggtgggtc cgggcacgga ggctcacaca ctgggcgtgg tgggtgcacac 2880  
ctgtaattcc agctactcgg gaggctgagg gtgagaatc acttgaacc aggaggtgga 2940  
ggttgacgtg agccaagatc gcgtcactgc actccagccc gggtgacaga gtgagacttt 3000  
gtctcccaaa aaaaaaaaaa aaaaaaaaaa agaaaatggg atgacagtag tactacccaa 3060

cagacgtatt	gggattgaat	ttaaaaagtg	tgtgcagttc	tcagcacag	gctgagtaca	3120
gaacagggcc	ttagtaagcg	gtggcctgtg	tgatcgccag	gttggcctca	gtcctgagga	3180
cagtgcmaa	aacgtgactg	tgggacatgt	gggttcctgc	tgagaaatgt	cctttggcct	3240
aatccccctg	tcattgctga	ccagccagtc	tctggacctt	gctgtcacta	gtaatgacac	3300
tacctaagca	agcctcgtgg	gaatgtccca	ctctctgacc	ccagctcttt	cctacttcct	3360
ttgctcccca	tggcctcacc	gtccctgtcc	gtggcggaga	ttttgcagcc	tctttatcat	3420
ctgtccctgc	cctgcccctc	tctctttgcc	acactcacct	gccaagcctt	ggtcctactt	3480
caccccagct	gtttaccctt	tccctggctg	ccctgtgcgg	ctggaggtcg	cttcagagaa	3540
cccctgaccc	tgcccatcgc	ccagtgccat	ccttctcaag	gcatctgtga	ctctacacag	3600
ctctcgccctg	ctctgtactt	ggttatggac	tgcgtccctt	ccagaacacg	gtgcctctcc	3660
tgaggacagg	cgctcactct	ctctcatcag	tagtgggttt	ctcctacacc	gagagctatg	3720
aaaagccaca	tggacgtgac	tcatagtga	cccaccgcca	ccccctgcca	cccacacaca	3780
ggctccgtgc	acagcctgcc	caagcccaca	tgcaattcag	atgaaatgaa	ttctgtaact	3840
cagagggttct	tgacataatt	agagacctca	gcggtctgtg	gaaaggcagg	cctggggcatt	3900
gtcaaagtga	gtcaaattgt	caaatgccat	acattgacat	aaaagaatag	gatttccttt	3960
atataaaatc	caagattgaa	tactgtgaaa	acaaaatgaa	gaaaacaagt	ttgacagtat	4020
ccaactgggg	atgaataaca	ttgaccagcc	acactgccag	ttatttcacg	tcctgtgca	4080
gcagcgctgt	gagtgcactt	cacccaagcc	tgggagcaat	tccccagggt	tcctgacacc	4140
cccatcgtag	acatgaggaa	gccgagacat	ggggtcagcg	ccacgtcccg	ccggcagcac	4200
cgccctgggc	tctcccactc	tgcaggcttt	gctcgtggcc	cagtgccaac	ggtgtcctga	4260
tttttgtatg	ctctactttt	taaaatgacg	cacaaaaaga	caacatggaa	aaaaactttg	4320
cattgtaatg	gatgctcccc	agaagtagcg	acttggcctg	cttcgggtctc	tgtcatagcc	4380
ccggtgcccc	gaacagagcc	tggcctgtga	gaggtactca	gcaagtgtcc	atgggccccca	4440
cacagattta	ggggagcaag	attactgccca	acagatgagc	aaaatgaaag	ggcctttttt	4500
tctttttctt	tttgaaagcg	ggagtcttgc	tctgtccacc	caggctggag	tgcagtggcg	4560
cgatcttggc	tcactgcaac	ctctgcttcc	tgggttaaaa	caattctcct	acctcagcct	4620
cctgagtagt	tgggactgca	ggcgcccacc	agtacgcccc	gcttattttt	gtatttttag	4680
cagaaatgag	gtttcaccat	attggccagg	ctggctctga	actcctggcc	tccagtgatc	4740
cgcccacctc	agcctcccaa	ggtgctggga	ttacaggtgt	gagccacagt	gtccagcccg	4800
aaaaggactt	tgaaaactgg	gccagagggt	atgggtgttt	ttgaataatt	gttccatagc	4860
atgtttttaag	cttccaaaaa	tgcagccctc	aagagaatgg	gcttgggcct	agtgtagtgg	4920
ctcacacctg	taattccagt	gatttgagag	gctaaagtag	gaggatcact	tgaggccaaa	4980
agtttgagac	cagcctgggg	aatatagcaa	gactctgtct	ctacaaaaaa	aactaaaaaa	5040
gttagctggg	catggtggcg	tgcacctgta	tacgcttagc	tactcgggag	gctgaggtgg	5100
aaagattggg	tgaacccagg	attttgaggc	tgcagtgaat	atgatcacac	cactgcactc	5160
cagcctgggt	gacagaacaa	aaccctgtct	caataaacia	aacaaaaaac	aaacagaaaa	5220
aagagcggac	tctgtggact	gatgggaccc	atgccagggt	gcctcccttg	ctctgtgaga	5280
aaggcagggt	caagaccaga	ttctgtggaa	tagaaataaa	tgggtggtgtg	ataacagaag	5340
cctagaaaag	tctggaagat	ttggggctca	gagcagtttt	ctttgaaggg	gtgggagggc	5400
tttctcatte	ctcattatgt	gtttccttta	tgtcctgact	gagcacctgt	ggtggcccag	5460
ggcactccct	ggagcctggt	gtccacggac	agcacagcag	ctgggggtgca	gtgcaggggc	5520
ggggagctag	acggagcactg	agtacatggc	tgggagcctt	aaaggagatc	atggggagtg	5580
ggccacactg	gtggaaggca	gtacaggtga	gcagcgaggg	gcagcgaggg	ccctcagagg	5640
agctgacatc	tggagctgag	acagagccag	ccaggtgaag	atccaggagg	aactttccag	5700
accaggggat	tggcgcatgc	aaaggaaggc	tggggaggct	gctgtgcccc	agagcaggtg	5760
agccagagaa	tgggggtggg	gagtgaagac	cagtgcctag	gcttcctcct	caagagagag	5820
tgtgttatte	tctgcctccg	gaaaagcatt	gcagaaaggt	ggagagaatt	ggattgtcta	5880
gtagcccca	cgtgcccac	aggagcgtcc	agttagcaac	attctgctcc	tctccacccc	5940
cagtggcaca	gtgctgcctt	cagaaacaag	cagtgcggat	ctctgacagg	gaagactcat	6000
gtttcagaca	gactcgcaat	accagtctcc	tacgcaacag	aattaatagc	actccccaac	6060
attaccacaca	accagtcctt	gttcactttt	tcccagattgt	ctcaaaagcc	actcaggagc	6120
caaacaaggg	ccacacatgt	tgccttttgt	tgccttcccc	tagtctgtaa	catcctctac	6180
caccaccacc	ccctactttt	ttctgattgt	aagaataaat	tgtacctgtt	agaaaaaac	6240
aaaacattgt	ggaaatgtat	taactaaaaa	gaatcaagtc	actttgcctc	cctgcagaaa	6300
actgttgac	atagaatgat	accattttct	gtaagtgtat	tgtactcact	ataagagttt	6360
gaagcagggg	gtgacatgat	ccttcctttt	tttttttttg	gagacggaat	ttccctcttg	6420
tcaccagggc	tgggaatgcag	tggcgcgatc	tcggctcact	gcaacctctg	cctcccaggt	6480
tcaagtgatt	ctcctgcctc	agcctcccga	gtagctggga	ttacaggtgc	gcgccatcac	6540
gcccagctaa	cttttgtatt	tttagtaaac	acgggggttc	accatgttga	ccaagatggg	6600
ctcaaacctc	tgacctcaga	tgatcccgct	gcctcagcct	cccaaagtgc	tgggattaca	6660
ggcgtaagcc	accgcaccca	gcctattttt	taaagttact	tattggccag	gcatagtggc	6720

tcatgcctgt	aattccagca	ctttgagagg	ctgaggtggg	aggatcgctt	gagcccagaa	6780
gtttgagaac	agcctgagcg	acatagtgag	accctgtgtc	tacaaaaatt	ttttttaaat	6840
cacccaagtg	tggtggcacg	tgtgcctgtg	gtctcagcta	cttgggaagt	tgagatggga	6900
ggatggcctg	agcctgggag	gtcaaagctg	cagttagctg	tcattgtgcc	actgcactcc	6960
agcctgggtg	acagagtggg	accgtgtttt	aaaaaaaaaa	agtgggtttt	tggtttgttt	7020
tttcttcacc	acaagcagca	tactcttgtc	agaaacaaaa	atacataaaa	gaaaacagac	7080
tgggcacggt	ggctcacacc	tataatccca	gcactttggg	aggccgaggg	gggtggatca	7140
cctgaggtca	gatcaagacc	atcctggcta	acacagtga	accctgtctc	tactaaaaat	7200
acaaaaaaat	tagccaggtg	tggtgggtgg	cgctgtagt	cccagctatt	tgaggagctg	7260
aggcaggaga	atggcgtgaa	cccgcgaggg	ggagcttgca	gtgagccgag	atcgcgccac	7320
cgactccag	cctgggcgac	cgagcgacac	cccattctca	aaaataataa	tatacaaaaa	7380
attagccggg	cgtgggtggc	catgcttgta	atcccagcta	cttggggggc	tgaggcagga	7440
gaatcgcttg	aaccaggat	gtggaggttg	aggtagctg	agatcggtgc	attgcactcc	7500
agcctgggca	acaagagtga	aactccatct	caaaaaaaag	aaaacagcac	ttgtcagcac	7560
tgccgcccc	ggcactagat	ggcagcagca	tctgagttac	tgctctgccc	tgtggggccag	7620
tgggaagctg	tttccagccc	ctggggtaaa	atgaggggag	agggccagct	gccctcgggc	7680
cccaaggccc	ccctccctcc	ccatgtggtt	tatcagtttc	cagcacctgg	aaagaacctg	7740
cattttctcc	cagggtctgt	gtcgattctc	ctgcctgtct	cacgttgctg	ggtgcatgag	7800
gactggcagg	gaggagacct	agccactgcc	tccttgggcc	cttccctggg	agattgagct	7860
tcccacaaac	caggtgggca	agcagaggct	gctgggtggc	ctgacggggg	cgctcctaact	7920
ggaggatggt	gggtccctcc	tgttcctcag	ggactctcca	aggtgggtcc	gttgactttg	7980
ccatcagcac	ccttcgaccc	ctgccagcag	ttccccacct	acttagaatc	atggtgacac	8040
agaccacagc	ctgaggccac	catggggagc	ggtctgggga	tgcagccaag	gctgccgcag	8100
cctctcccta	cagggttggg	cacaggttgg	ctgctcttgc	aggtgaccac	ccggttttcc	8160
tggggaacct	ctttgaaaa	gcgatagtgc	tgacctgttc	cgctgcggtt	ctaacgcagg	8220
cactttaaaa	agaaggccca	ggctcgatcc	cgcttttcta	gttttggttc	acaatgtgaa	8280
aattactgct	attcttttga	agtgtgcaga	tgctatgtac	tcattgtaga	aactaaggta	8340
aatggaac	acatttttaa	aggtaatgat	cacccgagtg	aatttgatga	tgtccgagac	8400
ctactttaag	atgcacttcg	atgaaatgca	gttaaccatg	tgctgatcat	tgctgaagct	8460
ggtgacgggc	ttgtgggggt	tctttacact	ggcctgcctg	cttttggtgc	agtttggtgt	8520
ccaaccttaa	agacgtaact	actacaaata	ttttgagaaa	tacctaccta	aggggtgttct	8580
gtgccaacat	acagaggtag	ttctagaatc	tctgctttgt	atgtgtgtgt	atgtgtttta	8640
agactttatt	tttttagagc	aattttagaa	tcacagcaaa	ataaggcgca	gcgattttct	8700
ctatgcccc	cagccacccc	cactcagcct	cccccgtgat	cagcatctca	gtagagtggg	8760
gcgcttggtt	ccagtggatg	aacctatgct	gagacgtcgt	cacccagtgt	ccgtagtga	8820
cattgggggt	ccctcttggg	gttggacatt	ctatgtgttt	ggacaaatgg	aacccttggc	8880
tttaacccct	gtgtttcatg	acaatgccat	ttggtgaggt	tctttgttca	ttcatctaca	8940
tgtggctcag	atgcttctga	gccaaagagt	catgctctgt	tgggtggcag	gacaggtgtg	9000
tgatgggacc	tttgagccca	gccttctcga	tgggagtccc	agctccttcc	caggagctcc	9060
gtctctgggc	aaattttccc	gtccctgtgg	tttcagctgc	tttattagaa	aatgggtccct	9120
tctctgtagg	attagtttga	gcgttaaata	agtgaatcgc	atgtaagcag	atgtgagtga	9180
gtgcagctct	tgctccctgt	ttgacaacga	attgcgttct	ctcatgcagc	tgtgctgggt	9240
gatttcacca	ttggcagctg	ctggacatta	gactctgtcc	agtttttcac	tggctggaca	9300
gtgctgtgcc	tgactcagtg	cacttttggg	gccaccagcc	ccatgacagg	tgccctttcc	9360
tgcactccag	cctctaggac	cttttggcct	ttccccagtt	tgagagctgc	aggccccagg	9420
gtttctctga	gttgtcatag	gcagttgtgg	ctgcgtctct	tcctctgtga	atacaggttc	9480
ctttagcagc	caactctggg	gtcctttccc	agcacagatg	tccagagaga	ggcacacggg	9540
ggctgtgggc	cttggggggg	tctgggctcc	ctgcctgggt	tggcccagcg	ggtgcctggg	9600
atggccttgc	tgctcctggt	ctcacctgta	ctctctgccc	ccagggaagg	ctacaacaat	9660
ccccccatct	caggtgagaa	tctgattggc	ctgagcagag	ccggcgcccc	ccacaatgcc	9720
atctttgtca	actttgagga	tgaggaggtg	cccaagcagc	cactggaggc	tgcagcccag	9780
acgtggagga	gagtcgtcac	taaccccgtg	gaccggaagg	tggaggagga	gctgaggaag	9840
gcaagtccct	cgctgcgcct	ggccccgggt	gctccagcct	ctctgttggc	ttcccgtggt	9900
taccagctg	ctccctgttc	ctggctgtgg	ggttggctgc	actgaccttt	accatttcct	9960
tagtgcatgg	gaacttctca	ccttcagatg	ccatgtctaa	aggctgtgtc	ggtataagtt	10020
ctacattccc	aaggttgaaa	atgcttctta	gagttcttaa	gaaaaatatg	cgtgcgttgt	10080
tcagatgtga	cataaacgtg	gagctctggg	atccactgag	ctcttattct	tccattcact	10140
cattgcagcc	aagccagttg	ggcacctagt	gtgccaggcc	cagcactttc	ttaccgttag	10200
aactggaacc	gtgctgccag	gcagccctcc	ttccccgggc	ttgcgggtgc	cgtggagtcc	10260
tgcgtcccca	ctggcatgag	catcaggttc	acaggccact	gccacctgga	gccccgcgct	10320
tcccttacgc	agtgtgcctg	tgggagacca	cgtggatgtc	ttgttgattt	ccagcagtca	10380

ctggggcaca	ctgtcagtg	ctccttattg	cccaccaggc	acagcccaca	ttcctgacct	10440
gaattggctc	gtgaggcccc	ctgccccagc	cccctggccc	tctacactcc	ggccacactg	10500
acctttgcag	tccctccccg	gccaggctgt	ccccttcagc	cctgacgatg	tcccacctca	10560
ggcacctggt	ctgtagattg	gggcagcatg	gggaccctgg	gactctagca	tgtgccccct	10620
gagccgtact	ccccaccgcg	ctgtgggctc	tatgaggaca	gcgaccatgt	ctcttatcgt	10680
ttgagagacc	cagccccaca	actgcacttg	gcacaggctg	ggcatgcagc	ccaggcttct	10740
gagggaaggg	atgaattagt	gagagcagga	ggtccctagg	ccacgccctg	tgtgtccagc	10800
ccctgtcctc	taccagctcc	tctctggagg	ggccgctggg	gcccagaaca	tgttgggagt	10860
tcaggggccga	aggggtggaag	ctgctgggtg	tcatctcagc	ctctgccctt	ggcctccccca	10920
gctgtttgac	atccgtccca	tctgggtccc	aaatgctgtc	aaggccaaca	tcagcgtcca	10980
cccagacaag	ctcaaggctc	tgtctccctt	catagcctat	tacatggtaa	gtgtcagctg	11040
cccaccacc	tgccttggtt	tccacccatg	tgggtccctg	tccctgctgt	gatgtcttag	11100
agccacagta	agagcagcca	acccccctatc	ctgggtcccc	atccttccctg	ccccaccccc	11160
atcctggccc	atccttccta	ccccccccctg	gcctggccct	catccttccct	gccctgcccc	11220
caacctagca	cctcccccg	cctggcacc	ccatccttcc	ttccccctg	tccctggcccc	11280
ccgatccagc	catccctaag	acagcttatt	aaagccagct	agaaaagt	cagctccctg	11340
agtccagggg	gccctccaca	gcctgttggg	ctgcagaaac	cagccccctga	ccacagcggc	11400
cccatgtcgt	cctctacctg	tgttgagtgg	ggttcagtgg	gaggcagatc	cacctttgat	11460
ccacaagcat	gtaaagacac	atgtcattac	tgaggttcca	aagggtgctg	ttggaaaggg	11520
atcctccccg	ctgccaggcc	tcacagagca	ttaggggagg	ccagcgtaag	acatgactgt	11580
gagggctctg	aacaggcagt	aggacacaag	aaagactcat	ttcttctgcc	ttgttggact	11640
tccggctcag	gagagcgacc	tgtgctgctt	ggcgttggca	ttttatttta	ttttatttat	11700
tttatttatt	ttgagatgga	gtctcactct	gtctcccagg	ctggagtgca	gtgggtgtgat	11760
ctctgctcac	tgcaacctcc	gcctctggga	ttcaagtgat	tctcctgcct	cagcctcccta	11820
agtagctggg	atgacaggcg	cacgccacca	tgccagcta	atcttctttt	tttgcatctt	11880
tagtagagat	ggggtttcgc	catgttggtc	aggctggctc	cgaactccta	acctcaagtg	11940
atctgcctgt	ctcgggtctcc	caaaatgctg	ggattatagg	cgagagccac	tgcggctggc	12000
tggcattggc	tttttagaca	taagccattc	aaaagctccg	tttagggaca	gaagatgtct	12060
catcgattag	gccagtagta	acattgggca	cttaatatgt	gccaggaacc	atggtaaagg	12120
ctccacgggc	gctatctcat	ttaatcctct	gaaaaaccat	gggaggccag	gcatgatggc	12180
tcactcctag	aatccccggt	cttcggggagg	ctgaagcggg	agaatcgctt	gcatccagga	12240
gtttgagacg	agcctaggca	acataatgag	accccatctc	tacaaaaaaa	ttaaaaatta	12300
gctgggtgtg	gtggctcgtg	cctgtagttc	cagctacttg	ggaggctgag	gtaggaggat	12360
cacttgagcc	caggaggttg	aggctgagtc	gaacctgat	tttgccactg	cactcagcct	12420
gggcaacaga	gtgagaccct	ctcccccaaa	aaacaaaaaac	ccacaggaaa	gggtgctcct	12480
tttccctcca	tctgacagga	agaccaaggt	ttggaaaggg	cacgtgccct	caccaagggtg	12540
acagggcctg	catgtggcag	agcagggtcg	ggcatccaga	gccctgtccc	cagctcctga	12600
gctcttctgc	tgcctcactg	taggctctgg	cccgtccagg	gacctgggcc	ttcacctcac	12660
ctcacatttt	ccccactttt	ctgtcccaga	taacaggccc	ctggcgcagc	ctatggattc	12720
gatttgggta	tgacccccga	aaaaacccag	atgccaagat	ttatcaagtc	ctcgatttcc	12780
gaatccgttg	tggaatgaaa	cacggtaaaa	attcctgaaa	gctttgcttc	ctgcctttct	12840
ctctctttat	ctttcagttt	ctagcatttc	ctttttagt	aagaatcttt	tcatttggaa	12900
agaataaaaa	aaccttttgc	ccccgttctc	gagactcttt	tgaatgcaga	atggcgtgga	12960
aacgaaagtc	ctagtctctg	gctggcccca	ccactgaccg	cccgtttctg	aaccacagtc	13020
cctcatthaag	tgactccacg	tgccttatgg	tcctgtgatg	caggccaggc	acttgtgaga	13080
gcatcagtgc	ccgccctgcc	tgggaagtgc	tgagatgtgt	tggtgaccgc	agtggcgtgc	13140
ttggcagctc	ggggttgccc	tctcaggagc	tggcccatg	gacccaactc	ccatctccag	13200
tgtgaagcca	gtgttgtgtg	ccgacggggc	ctgtgccgcg	ccacctgact	tgcccgccct	13260
cgctacagg	ttacgcccc	agtgacttgc	cgtcaaagc	aaagcgcagc	acctacaact	13320
acagcctccc	catcaccgtc	aagaagacat	gtaagcgtgc	caggcgcctt	ttgtgggtca	13380
tgagtgattt	gccaaggaag	gcggggcacc	tggaccaga	cggggagggtg	gttcttgggg	13440
gtcactccag	ggctctgcg	gtcattcctc	ccctaggagg	gggtgggctg	gcaggagggc	13500
agggcatggt	gggttgggaga	gacacctcct	ccccaccctg	cacattccaa	gactgctgt	13560
tgtccccacg	cagccagcca	gcttgtcacc	atgcatgacc	tgaagcaggg	cctggggccc	13620
tcggggacga	gtgggtgctg	gaaaccagct	tccagcaagt	acaagctcaa	ggtggggccc	13680
cctggaggcc	aggaatggag	gggaggactt	ccctcttggg	gccgggcacc	ttgtgggtga	13740
cacctggggg	gctgtgatta	gggcagctct	gcccaccggg	gcctcggcac	cttgcttccct	13800
tttaggtcag	ccttcagaca	ctgagggtga	gaactcgggt	gcaaagcccc	agggctgtgt	13860
gtgttggggg	catctggcga	agaggtgggtg	acaagtctca	gggaagtctg	gcaccagcag	13920
ctgcatgtgg	ttgtccttct	cgagcccttt	gggagcctgg	gccccactg	agccacgtga	13980
ccactccggg	aatgatcgga	attgggcaca	cacaggagga	cagagccaga	gcaggccatg	14040

tgggctgcag	ctgtggcagg	agcctcactg	gctcacgttt	ccgtcagtgc	ggttgcccag	14100
cgggggttgg	cggtttccag	agctgttccc	acattcaggc	tcccgcgaagc	cgctccacag	14160
ccctggggga	ggccgagaag	ggggcatccc	gcacgggtgga	atcacctgcc	gagggagtgg	14220
gtggcagaga	tgagtgcagc	agagacgggt	gatgcgaggg	acttgctgtc	ccccagtgtc	14280
tggggccctg	cctattttct	aggtttttta	gacctttgct	gccttcccag	tgaggggcca	14340
tcatgccaca	gcctgtgcgg	ccttccctct	cgaggcctct	cctaggaggc	cgttatcctt	14400
actctagaac	tacatggctg	ggtagcgaaa	ggagagagca	aacactcact	aagccctgct	14460
tttcccagaa	aagatgtcag	ggcagcccat	agggggacat	aggggtgaaa	attagcagca	14520
gtgggtgagg	gataagggtca	gagtgcagga	gggcacagag	agcagagccc	ggcacaaggc	14580
tagtgccagc	cccatgccat	gggcgccatg	gcctgctgca	cgggcgggct	caccgtttcc	14640
agtggcccca	ggagggcctg	ggtgctcctc	tgcctctccc	agagcctcct	ggggagtgtg	14700
acattgtttt	ttcccgaact	cctccgtggc	cttccagcct	gtctgcccaa	cctgctcctg	14760
gtgaccagcc	agctccctgg	agagacccca	tgggagccta	catggagtct	gcaacactgg	14820
cagccccagg	gctctggctc	accttccctg	tctctctccc	cctttgtcac	caggactctg	14880
tctacatctt	ccgggaaggg	gccttgccac	cctatcggga	gatgttctac	cagttatgca	14940
acttgaatgt	ggaagagtac	gtatgggagg	ggccctgaga	cactgagggg	ggcccgtggg	15000
accaggggac	caaagcgggtc	tctgaactct	tccacttcac	gtcggccttc	atctccggca	15060
agagcactcg	cctgtctggg	agtttggtgc	tgccgagagc	cctggcatgc	tgggtggcct	15120
cgtagaggcg	gtgccctata	gaaagccgtg	gctccaagct	gcgcagagac	agttcttact	15180
gttatgtcct	tgctcctctt	ccactgtcca	cataaaggcc	ccatgagggt	gttctcaatc	15240
ccaggaccca	tcagatccca	gaaacctttt	atcgacttgt	tctcagtgat	gtttaaagaa	15300
ttgcagggaa	agggcactca	ctgggatgag	aggagatggg	aacacatcaa	atacatcttg	15360
aatctgtctg	aaagccattg	ttcaccagaa	gcatgtgcag	tggtaacacg	gccagcttca	15420
tgtgtgtgag	gcggtccagg	gagcacacag	gtttaggggc	ccagctggga	acacacagct	15480
tgtgtttcca	gttctctctt	gtagacttcg	ctcacggggc	tgcctttgat	ctcagtagag	15540
ctctgcctct	ggcaaaaacc	aacactggca	tctcttagca	gagaccgcgc	ctgggacttt	15600
atgtcccaac	cctctcccca	cccccagggt	gcagaagatc	attcaccgca	atgacggggc	15660
agagaattcc	tgacacagaa	gggatgggtg	gtgcctcccc	aagaccagca	acgagctcag	15720
ggacaccatg	tcctctcatga	tccggcagac	catccgctcc	aagaggcctg	gtaagagccg	15780
cttggggtaa	aggggggtcca	ggatgcctgg	tgatctcctt	tgagacagag	gtgtccctaa	15840
ggggacccat	tcctgggaaa	tggcacccag	gtggcatcat	cttgccccctg	gccctgggtg	15900
gaggaggaca	ttgtgagcca	gagcccagcc	cagggtgctg	catcacccca	gctgcccaga	15960
ggctgtctca	gccgaggccc	tcagccctcg	ggtcgggggc	aggagacaag	cccagagggg	16020
ctgggtgcag	cagcctggca	ctgccatcgg	ggcctccacc	tgacgccttc	acaccagccc	16080
atgtctttca	gctgtgcatg	cgcaggctct	gcctctgtct	tcttctctgt	ctgtgtggcc	16140
cagccccctc	ctggaaccag	gcagccctgg	caggagttag	ggccagctgc	agggaaagtg	16200
aagggggcaa	cacctgccag	gctgtgggtc	tcacgaggct	cgggggagtt	ataagaggcc	16260
ccctctctca	gggaactcct	cccaggcttg	gggaggaggc	atcctggacc	cagccacgcc	16320
ccacagatct	gaccgaagca	gggggttcttg	gtcttgcttg	gaaccagat	tcagccccct	16380
ttgggaatct	aatcaagggt	gtggaccctt	tcccagagaa	aatggtgtgt	tcactcctga	16440
gggtccatgg	gcccttgaag	ctgctcatgg	ctcccctgct	gcaggattcc	cctgggtgcc	16500
cgtcaaacta	cagcttccct	ggggggcctc	caccccatac	ttaccacca	gcttcttaag	16560
agctcgagct	cggaccctta	tagtagtaaa	caggctcccc	agagcctggt	ggcctttctg	16620
ggggcacccg	gcagcctgca	tgggacaccc	atggccttgt	ctcctccggc	cccagctctc	16680
ttttccagct	cagccaaggc	tgatggcgga	aaagagcagc	tgacgtacga	gtctggggaa	16740
gacgaggagg	atgaggagga	ggaggaagag	gaggaggagg	acttcaagcc	atccgacggc	16800
agtgaanaacg	aaatggagac	agagattctg	gactacgtgt	gacagggccc	aaggctgggc	16860
ctccctgacc	cggccagact	ggtgtctggc	ctaattgagg	agccggggct	ccccattgcc	16920
accacagctg	cccggaatgg	ccctaggagg	ccctctgagg	agagctagag	tcccagcaaa	16980
gggtgcagct	gacctagca	ctggctgtga	catgctgctt	ggtgctgcct	ctggctcctga	17040
gggggttaggg	acatcccca	agggtatacc	ctggctctgc	cacccatgaa	ccagcccagc	17100
atccagccag	tgagtgggca	cccaatgcct	ctcaggatga	gaccagtaaa	tgccggaggt	17160
ggagctgggc	agctgtggag	ccccaggcca	caggccagtc	tcgcttggct	ctcatgactg	17220
tgggtgtgga	gatagtgtgg	ggagcctcgc	ccatggtctc	acgtggcaag	aagtgccttt	17280
agctctggat	cccaaccgtt	tggcacagct	ttggccacag	ccaggcccct	ctggaattgt	17340
ccttattaaa	ccagtttccc	gagaagt				17367

<210> 12752  
 <211> 6438  
 <212> DNA

<213> Homo sapiens

<400> 12752

acatccgtcc	catctgggtcc	cgaaatgctg	tcaaggccaa	catcagcgtc	cacccagaca	60
agctcaaggt	cttgcttccc	ttcatagcct	attacatggt	aagtgtcagc	tgcccaccca	120
cctgccttgg	tttccaccca	tgtgggtccct	gggtccctgct	gtgatgtctt	agagccacag	180
taagagcagc	caacccccta	tcctgggtcc	ccatcccttc	tgccccaccc	ccatccctggc	240
ccatcccttc	taccaccccc	tggcctggcc	ctcatccttc	ctgccctgcc	cccaacctag	300
cacctccccc	gtcctggcac	ccccatcctt	ccttcccccc	tgtcctggcc	ccccgatcct	360
agcatcccta	agacagctta	ttaaagccag	ctagaaaagt	ttcagctccc	tgagtccagg	420
gcgccctcca	cagcctgttg	ggctgcagaa	cccagcccct	gaccacagcg	gccccatgtc	480
gtcctctacc	tgtgttgagt	gggggttcagt	gggaggcaga	tccacctttg	atccacaagc	540
atgtaaagac	acatgtcatt	actgagggttc	caaagggtgct	ggttggaaaag	ggatcctccc	600
cgctgccagg	cctcacagag	cattagggga	ggccagcgta	agacatgact	gtgagggtct	660
gcaacaggca	gtaggacaca	agaaagactc	atctctcttg	ccttgttgga	cttccggctc	720
aggagagcga	cctgtgctgc	ttggcgttgg	catttttattt	tatttttattt	atctctgctc	780
tttttgagatg	gagtctcact	ctgtctccca	ggctggagtg	cagtgggtgtg	atctctgctc	840
actgcaacct	ccgcctctgg	gattcaagtg	attctcctgc	ctcagcctcc	taagtagctg	900
ggagtacagg	cgcacgccac	catgcccagc	taattttctt	tttttgcatt	tttagtagag	960
atgggggtttc	gccatgttgg	tcaggctggt	ctcgaactcc	taacctcaag	tgatctgcct	1020
gtctcgggtct	cccaaaatgc	tgggattata	ggcgagagcc	actgcccgtg	gctggcattg	1080
gcttttttaga	cataagccat	tcaaaagctc	cgtttaggga	cagaagatgt	ctcatcgatt	1140
aggccagtag	taacattggg	cacttaatat	gtgccaggaa	ccatggtaaa	ggctccacgg	1200
gcgctatctc	atttaatcct	ctgaaaaacc	atgggaggcc	aggcatgatg	gctcactcct	1260
agaatccccg	tacttcggga	ggctgaagcg	ggagaatcgc	ttgcatccag	gagtttgaga	1320
cgagcctagg	caacataatg	agaccccatc	tctacaaaaa	aattaaaaat	tagctgggtg	1380
tgggtggctcg	tgctgtagt	tccagctact	tgggaggctg	aggtaggagg	atcacttgag	1440
cccaggagtt	gaggctgcag	tgaaccgtga	ttttgccact	gcaactcagc	tgggcaacag	1500
agtgagaccc	tctcccccaa	aaaacaaaaa	cccacaggaa	agggtgctcc	ttttccctcc	1560
atctgacagg	aagaccaagg	tttggaagg	ccacgtgccc	tcaccaagg	gacagggcct	1620
gcatgtggca	gagcagggct	gggcatccag	agccctgtcc	ccagctcctg	agctcttctg	1680
ctgcctcact	gtaggctctg	gcccgtccag	ggacctgggc	cttcacctca	cctcacattt	1740
tccccatttt	tctgtcccag	ataacaggcc	cctggcgcag	cctatggatt	cgattttgggt	1800
atgacccccg	aaaaaaacca	gatgccaaga	tttatcaagt	cctcgatttc	cgaatccgtt	1860
gtggaatgaa	acacggtaaa	aattcctgaa	agctttgctt	cctgcctttc	tctctcttta	1920
tctttcagtt	tctagcattc	tctttttag	taagaatctt	ttcatttggg	aagaataaaa	1980
aaaccttttg	ccccgttg	tgagactctt	ttgaatgcag	aatggcgtgg	aaacgaaaagt	2040
cctagtctctg	tgctggcccc	accactgacc	gcccgtttct	gaaccacagt	ccctcattaa	2100
gtgactccac	gtgccctatg	gtcctgtgat	gcaggccagg	cacttgtgag	agcatcagtg	2160
cccgccttgc	ctgggaagtg	ctgagatgtg	ttggtgaccg	cagtggcgtg	cttggcagtc	2220
tgggggttgc	ctctcaggag	ctggccccat	ggacccaact	cccatctcca	gtgtgaagcc	2280
agtgttggtg	gccgacgggc	cctgtgcccc	cccactgac	ttgcccgc	tcgcctacag	2340
gttacgcccc	cagtgcattg	ccggccaag	caaagcgcag	cacctacaac	tacagcctcc	2400
ccatcacctg	caagaagaca	tgtaagcgtg	ccaggcgctt	tttgtgggtc	atgagtgatt	2460
tgccaaggaa	ggcggggcac	ctggaccag	acggggagg	ggttcctggg	ggtcactcca	2520
gggctctgcc	ggtcattcct	cccctaggag	ggggtgggct	ggcaggagg	cagggcattg	2580
tgggtgggag	agacacctcc	tccccacctt	gcacattcca	agcactgctg	ttgtccccac	2640
gcagccagcc	agcttgtcac	catgcatgac	ctgaagcagg	gcctgggccc	gtcgggggacg	2700
agtgggtgctc	ggaaaccagc	ttccagcaag	tacaagctca	agggtgggcgc	ccctggaggc	2760
caggaatgga	ggggaggact	tccctcttgg	ggccgggcac	cttgtgggtg	acacctgggg	2820
ggctgtgatt	agggcagctc	tgcccaccgg	ggcctcgga	ccttgcttcc	ttttagggtca	2880
gccttcagac	actgagggtg	agaaactcggg	tgcaaaagccc	cagggtctgtg	tgtgttgggg	2940
acatctggcg	aagagggtgg	gacaagtctc	agggaagtct	ggcaccagca	gctgcatgtg	3000
gttgtccttc	tcgagccctt	tgggagcctg	ggccccact	gagccacgtg	accactccgg	3060
gaatgatcgg	aattgggcac	acacaggagg	acagagccag	agcaggccat	gtgggctgca	3120
gctgtggcag	gagcctcact	ggctcacgtt	tccgtcagtg	cgggttgcca	gcgggggttg	3180
gcgggtttcca	gagctgttcc	cacattcagg	ctcccgaag	ccgtccaca	gccctggggg	3240
aggccgagaa	gggggcatcc	cgcacgggtg	aatcacctgc	tgaggaggag	gggtggcagag	3300
atgagtgcag	cagagacggg	tgatgcgag	gacttgcgtg	ccccagtg	ctggggccct	3360
gcctattttc	taggtttttt	agacctttgc	tgccttccca	gtgagggg	atcatgccac	3420
agcctgtgcg	gccttctctc	tcgaggcctc	tcctaggagg	ccgttatcct	tactctagaa	3480



ctacatggct	gggtacggaa	aggagagagc	aaacactcac	taagccctgc	ttttcccaga	3540
aaagatgtca	gggcagccca	taggggggaca	taggggtgaca	aattagcagc	agtgggtgag	3600
ggataaggtc	agagtgcagg	agggcacaga	gagcagagcc	cggcacaagg	ctagtgccag	3660
ccccatgcc	tgggcgccat	ggcctgctgc	acgggcgggc	tcaccgtttc	cagtggcccc	3720
aggagggcct	gggtgctcct	ctgcctctcc	cagagcctcc	tggggagttg	gacattgttt	3780
tttccccaac	tcctccgtgg	ccttcagcc	tgtctgccc	acctgctcct	ggtgaccagc	3840
cagctccctg	gagagacccc	atgggagcct	acatggagtc	tgcaacactg	gcagccccag	3900
ggctctggct	caccttcctt	gtctctctcc	ccctttgtca	ccaggactct	gtctacatct	3960
tccgggaagg	ggccttgcca	ccctatcggc	agatgttcta	ccagttatgc	gacttgaatg	4020
tgggaagagta	cgtatgggag	gggcccctgag	acactgaggg	gggcccgtgg	gaccagggga	4080
ccaaagcggg	ctctgaactc	ttccacttca	cgtcggcctt	catctccggc	aagagcactc	4140
gcctgtcttg	gagtttggtg	ctgccgagag	ccctggcatg	ctgggtggccc	tcgtagaggc	4200
ggtgccctat	agaaagccgt	ggctccaagc	tgcgcagaga	cagttcttac	tgttatgtcc	4260
ttgtcctctt	tccactgtcc	acataaaggc	cccatgaggt	ggttctcaat	cccaggaccc	4320
atcagatccc	agaaaccttt	tatcgacttg	ttctcagtga	tgtttaaaga	attgcaggga	4380
aagggcactc	actgggatga	gaggagatgg	gaacacatca	aatacatctt	gaactctgct	4440
gaaagccatg	gttcaccaga	agcatgtgca	gtggtaacac	ggccagcttc	atgtgtgtga	4500
ggcgggtccag	ggagcacaca	ggtttagggc	cccagctggg	aacacacagc	ttgtgtttcc	4560
agtctctctc	tgtagacttc	gctcacgggg	ctgcctttga	tctcagtaca	gctctgcctc	4620
tggcaaaaac	caacactggc	atctcttagc	agagaccgcg	cctgggactt	tatgtcccaa	4680
ccctctcccc	acccccaggt	tgcagaagat	cattcacccg	aatgacgggg	cagagaattc	4740
ctgcacagaa	cgggatgggt	ggtgcctccc	caagaccagc	gacgagctca	gggacaccat	4800
gtccctcatg	atccggcaga	ccatccgctc	caagaggcct	ggtaagagcc	gcttggggta	4860
aaggggggtc	aggatgcctg	gtgatctcct	ttgagacaga	ggtgtcccta	aggggaccca	4920
ttcctgggaa	atggcaccca	ggtggcatca	tcttgcccc	ggccctgggtg	ggaggaggac	4980
attgtgagcc	agagcccagc	ccaggtgctg	gcatcacccc	agctgccag	aggctgcctc	5040
agccgaggcc	ctcagccctg	cggctccggg	caggagacaa	gccagagggg	gctgggtgca	5100
gcagcctggc	actgccatcg	gggcctccac	ctgacgccct	cacaccagcc	catgtctttc	5160
agctgtgcat	gcgcaggctc	tgcctctgtc	ttcttctgt	tctgtgtggc	ccagccctt	5220
cctggaacca	ggcagccctg	gcaggagtga	gggccagctg	cagggaaagt	gaagggggca	5280
acacctgcca	ggctgtgggt	ctcacgaggc	tcgggggagt	tataagaggc	cccctctctc	5340
agggaactcc	tcccaggctt	ggggaggagg	catcctggac	ccagccacgc	cccacagatc	5400
tgaccgaagc	aggggttctt	ggtcttgctt	ggaaccaga	ttcagcccc	tttgggaatc	5460
taatcaagg	tgtggaccct	ttcccagaga	aaatggtgtg	ttcactcctg	aggggtccatg	5520
ggcccttgaa	gctgctcatg	gctcccctgc	tgcaggattc	ccctgggtgc	ccgtcaaact	5580
acagcttccc	tggggggcct	ccaccccata	cttaccacc	agcttcttaa	gagctcgagc	5640
tcggaccctt	atagtagtaa	acaggctccc	cagagcctgg	tggcctttct	ggggccaccc	5700
ggcagcctgc	atgggacacc	catggccttg	tctcctccgg	cccagctct	cttttccagc	5760
tcagccaagg	ctgatggcgg	aaaagagcag	ctgacgtacg	agtctgggga	agacgaggag	5820
gatgaggagg	aggaggaaga	ggaggaggag	gacttcaagc	catccgacgg	cagtgaatac	5880
gaaatggaga	cagagattct	ggactacgtg	tgacagggcc	caaggctggg	cctccctgac	5940
ccggccagac	tgggtgtctg	cctaattgag	gagccggggc	tccccattgc	caccacagct	6000
gcccgggaatg	gccctaggag	gccctctgag	gagagctaga	gtcccagcaa	aggggtgcagc	6060
tgaccctagc	actggctgtg	acatgctgct	tgggtgctgc	tctggtcctg	aggggttagg	6120
gacatcccca	aagggatatac	cctggctctg	ccacccatga	accagcccag	catccagcca	6180
gtgagtgggc	acccaatgcc	tctcaggatg	agaccagtaa	atgccggagg	tggagctggg	6240
cagctgtgga	gccccaggcc	acaggccagt	ctcgcttggc	tctcatgact	gtgggtgggtg	6300
agatagcgtg	gggagcctcg	cccatgggtct	cacgtggcaa	gaagtgcctt	tagctctgga	6360
tcccaaccgt	ttggcacagc	tttggccaca	gccaggcccc	tctggaattg	tccttattaa	6420
accagtttcc	cgagaagt					6438

<210> 12753

<211> 153

<212> DNA

<213> Homo sapiens

<400> 12753

ttttagaggaa	ttactcttta	ttccaatatt	ataataatcc	tcgctctata	atcataacct	60
aagaaaaacc	aggtcataca	gagataggag	ctgaggggac	atgggtgagaa	gtgaccagaa	120
gacaagagtg	cgagccttct	gttatgccca	gac			153

210> 12754  
211> 118  
212> DNA  
213> Homo sapiens

<400> 12754  
aaagtatgag gctgggcacg gtggctcatg cctgtaatcc cagcactttg ggaggctgag 60  
gcgggcagat cacttgagct caggagtttg agaccagcct ggccaacatg gtgaaacc 118

<210> 12755  
<211> 5266  
<212> DNA  
<213> Homo sapiens

<400> 12755  
tgtaataaca ctgggtcccat cagtttccgca tcgtactagg tgctcgggtca agatcatgat 60  
aaaccgctgg aaagggagaa gaagttaagg tagtactaca gacagaatct tatacttttg 120  
aaaaaaattc atgacaaaga aaccccaaag tattgcctgt tccaccctgt ctttgtgggtg 180  
tgtgtgccta gcttccatta ttcatagaat caacctagaa gggcagactg gtaataacat 240  
gagttggtac attcttccctg gcaatacata aagaccttta atgtctttaa ttacttatcc 300  
tagtaatatt acttccctgga atctattcta acgaagtaat cagaaatttt aacaggaatc 360  
tatgcattaa aatgttcatg gaaggaaaaat gatcagcaat gaggaataat taaacgagac 420  
atatataaaa aaagcaaccc acaatttttt ttcaagcatg gagaaatgct catgcgagaa 480  
tactaagtaa acagcagaga aactcagaca tacatgggtg cctctgagta gtgaactttt 540  
atttctttcc taaatttttg tttttttaat ctcttctata aatgaatgtg tattcctttt 600  
acaatgaaaa ataacttttt taaaaactaa aactaaagaa atgtattgtt tccttttatg 660  
tataaatgtc ccaagccaag atacctgaaa tataacgagg aaaagattct tttgttccact 720  
ctgagcagat tccacttttt cctgaagtcg ttctatttgt tcctcaagaa ccccgctctt 780  
cctgtcactg cttctgtcgt catcatcact tcgctataga aggcaaatga tcaaaaggaa 840  
aataccattt agattccagt gtgttaaata tcctccaggg gaagcatttt actgtgtctg 900  
gccaaatggt aagacttata ttctatagtg aaagtacccc cccaccccgc caccacaca 960  
tatatacctc aaagtccgtg tgtgggtcag agacactgtc ttctcattca gaaattccat 1020  
gggttcttat ctaggccagg gaaatttagt ggcacttgct ttggtaacaa catgggggga 1080  
cttggctaca atttatcact atttgaccat ttgagcagta acaacaggga gacagcttgc 1140  
taatcattca tctgctaatt ggccatacag aaaaactggg caagtcctat gggccaaggc 1200  
tgctcattct tgttataatt tagaaatggc tccagccgac atataataat tcaaagtggg 1260  
ctgtttaaga ctttctgctg gcaatgatgg gctcaatata ctctgtaaa gctttaataa 1320  
tcctgcccc cagctcactc tgaagagttt atagaattta attttttctt tttaaaggaa 1380  
aagaaaaaca aggcattggt tatttccatt ttacagagaa aaaaggctga gaggttagat 1440  
gactttccca gcatcaccga gtcagaaagt ggcagagcca gaacgtggct ctaagggtgt 1500  
acataccaag gtactttcag caagaagggt ggcactactga atctagaaag cctggtaatt 1560  
cttcgagggt aataacttaac tgctaaggcc ccactctact atctctccac ttttaagcaa 1620  
attatcagaa ccctgctctc ggatatcaca gaactctgct tttctctcta taaacacagc 1680  
ccatttatga ggtctgctct atgttctaga cacgtgggta cagcactgtc ctttccctaac 1740  
accactcaa ggtaagggtc tagagcacta ctacctata gatagacct tcttcaatgg 1800  
gtacaatggt atctaaatat gtgcagcctg ttacgacagc aaccacacgt tactactgag 1860  
cacctgaaat atgggttgtg gaccaaagaa cctgatgtta aattgtattt aactaaaata 1920  
gtcacgtgca gctagtggct actgtgttg acagcacact tctagaaaca gtgtggcctg 1980  
aaaaaaagtc tctggagtct gacagacctt tgtcagaacc tagctctgggt catttaccag 2040  
ctatgcaacc tactagctat gttacttaac ttctctatgt ctactttat aacatctaca 2100  
aaatgagatg acaccattta ccttacagta tttcaggctc gagtggttat atccatatat 2160  
gtttacaggt atgtcaacat ggagactggg actcaaactt gcgaaagggt cctatagggc 2220  
actaaactca actttttttt accttctact atggtaaata tgcatagcac tgaaaatact 2280  
ttcataatga atagtagtat catgttaaagt cactcactgc ttccctccaa aatggctaaa 2340  
atactaaatt aatactatga gaagtattcc gttaacttgg gaatgactgc cccattcctc 2400  
ctcacagtac ggggaaagtg ttaagtatct atagtctctt cctcttctcc ccagagactc 2460  
ctacagaaat acaagtgtcc tcttcccttc tgctacttcc cttgtgcaaa cgtgaggccg 2520  
accagagat agtgaactat ggaagtgaat gtttgtggct tcctgaactg gttcatcatg 2580

cagtgtaca	gcacacaaca	cactacctgc	tccttctctc	tcttctgctt	ctgcattaaa	2640
ttgggctcag	aaaaatttct	gctctgcatt	aatttgaggct	cagaaaaaat	gaaatatcat	2700
caagataatg	aactctgaat	cctctccaga	gtttctggta	tattttcttt	aactacttac	2760
aagtttacac	aaaacttacc	cgtttgtgtt	gcctagcaag	tttctcttta	gcttcttcca	2820
gctctttctg	gatcttcagg	acatgtttgt	tcattcttacg	aattgtagag	tgcaaaattt	2880
cccaaacaaa	caatctttaa	gaaatatggc	atttggttac	tgatgtcaa	gctatggtta	2940
cagaaaataa	aatctttcaa	cttttgtaat	ttcattctta	acagctgata	cagccttctg	3000
tccttggggc	tgaattagtc	atctttctcc	agcaataactt	acaaattgggt	cttttattgt	3060
aaattgtgca	agtatctatc	ttcacacca	ttagattcag	gcgagccccc	tgagggcagc	3120
actgtgtagt	catttttctt	atttccatcc	cttaccagag	gtacataactt	actgaattga	3180
aatggcaaac	tatgatggac	attaacatta	aaaatggaaa	tacatttttc	ctctcctaaa	3240
tgtaaacatt	atgtgtagaa	attttctcaa	aatggtgacc	taacctgaga	cttatttccc	3300
atgctttata	ttattttaact	agcacacact	cagccaatta	ttctcttgga	atgtttaaga	3360
aactcattag	ttgataatag	gtatcaactg	atgggctcta	agaatgagat	aattatatgt	3420
cagctttctt	actagcaaat	acatactaag	atcactttgt	aggtgctttg	aaatgtttgt	3480
tgcataagtg	tttttctttt	aaaaagtaac	ttctcagcta	cttttgtgtc	tataaactag	3540
gtctcctaac	ccagcacaga	atagtacagt	tggcccttga	acaatacagg	tttgaactgt	3600
gcagggtccat	ttacacatgg	gttttcttcc	acctgagtca	ataagaccaa	cccctcctct	3660
tcctcagcct	actcaatgtg	aagataatga	agatgacctt	tatgatgatc	cactctcact	3720
tcatgaatgt	ttcctctctt	atgatttatt	gtaagaatac	aggatataac	acatacaaca	3780
caaatatgtg	ttaattgact	acgttatcac	taaggcttct	ggtcaacagt	aggctactag	3840
ttaaattttc	catgcagtta	aaagttctat	gcagattttt	gactgtgtgg	ggtgggggtg	3900
gtggggcgaa	gtcgggtgtc	ctaacccttg	ttgttgttca	aggggtgaact	gtacttctct	3960
ctacaaattt	tgacccaaat	aatagtttaa	gtggaagata	ataaaacaat	ctgttcataa	4020
aactccaagt	ctagaatgtt	aggaacacag	acaaaagagc	agagcacttt	aactctggag	4080
gggggtggact	atagtcaggg	aaaggtttgc	agagttacaa	atatttgagc	taggtgttaa	4140
agaacagatg	gagctgttga	gcactataca	gattccagaa	tgcttgggtt	tgaatgctgg	4200
ctctgcactt	agttgtgtga	ctttgggcag	gataaagcac	tctgtgacac	ttccctattc	4260
tgtaaaatgt	ggacaataat	ggaaccttct	ctacggtgat	gcggtaaagga	taaaatgaat	4320
tgaaaacgta	aatcactcag	gacaatgggt	aaaacatact	cgggtgggta	gttttctgag	4380
agttttacaaa	tctgaaaagg	ttcttctgtt	gtctttgttt	atgaaggcca	acctggccgg	4440
tatgacaacc	ttagatcaca	ccctatcacc	ctaacaattc	agtatatttc	tgatcagtg	4500
cctctggcag	taacagatac	agtggaaaag	ttaaagggtg	tgatggactt	ttatgttttt	4560
acaagtaatt	tgctttagtt	tcctgctttg	tgtcaactcc	tgctgccctg	gtcctatcag	4620
ctgtaaagtc	cgtgaacttc	ataaataaga	accaaacagc	aaaaactttc	tttccgttag	4680
ggggaatgag	ggcagaatga	atcttctgca	ttaaacctaa	gattatgact	gtgggtgagaa	4740
cccctttccc	ccatccctca	ggtgtcttgt	taatcaccaa	gctttcctgg	atccctccat	4800
gatttactct	actttgactt	tgatttctcc	tacttctctg	tgtgcattct	aggtgccatc	4860
cccactgaag	ctggaacctt	tcccaggttc	catctggact	agctgagact	ctgcacatag	4920
ctggctcttg	ctagttttct	ctcccaacag	tctggatcct	tcaacaggat	ttctacttca	4980
ctggcttagc	cttgattcaa	cttaagagtg	tcctgtctaa	gagacgctgc	aacctgatag	5040
gctgtgtatg	tttccactgt	ctaggaattt	ttgccatgtc	caatcctacc	agattggacc	5100
attagtatat	taatatcaac	ctggttttga	ccagaatttg	aagcttatgt	ataagagacc	5160
acacatatat	caattcttag	ggaacacaag	tttcataaaa	taatttatat	tacctggtaa	5220
agtcacgaga	tagttctgaa	gagaagatcc	aatttgctac	ggcagc		5266

<210> 12756

<211> 884

<212> DNA

<213> Homo sapiens

<400> 12756

ttcaggggact	ggatggagag	aagggaaagg	catccattta	ttcagggtatt	atTTTTTTTcc	60
ctttttaatg	atgaaggaag	ttgagaccag	gagagggaag	taacttattc	caagttacga	120
ataagtcaca	aaactgggag	taaaagctgg	gtctcccaat	atcctccttc	aattctgtct	180
ggtctttact	ttcttttaaaa	aactcttcac	tgcttattgc	aagagccaga	gactcctttt	240
attgtgaatg	ccagaagggc	tctccagtcg	tccggaccaa	cctccatctg	ctgcttgaa	300
tcctctgcca	cttcttgcca	aatttgaaca	tttccatcat	gtttttggaa	agcactttct	360
attcatttaa	atattcgcca	gcattgtactg	agtgtgtgtg	gccaagcaca	agaatcagaa	420
gtaaagacac	agtataacag	gaaccaagat	atacaatggt	tgagaactac	tgtttgagaa	480

09550037 091201

atatgaagta	ttagagatgc	cctggcagct	ctctgaggta	tgagaggcat	aaagaatgaa	540
gtggtcagac	cttcccaggt	ggcaactaac	aggtcagctg	aatttttaaac	aacaaaaagg	600
tagaggatgg	gaagggtggg	ggcattggga	gtaaagaccc	tctaagggtg	agcttttcct	660
tggtcacttg	ggggcactca	ggctacctgg	aatggtagta	acatggcaaa	gggatggctt	720
gttggagatg	tcaagagacg	acctcctgat	gggaccatct	cccaatgtgg	agcaccagg	780
cactggagcc	acattgccaa	ttcaaattcc	ggtcctgccc	acggattgtg	ggtaatgtta	840
attacctact	tccctagact	tctgtttcct	tcttgtaaag	tgtg		884

<210> 12757  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 12757						
acgagggtcag	gagatcgaga	ccatcctggc	taacaagggtg	aaacccccgtc	tctactaaaa	60
atacaaaaaa	aaattagccg	ggcgcggtgg	caggcgctg	tagtcccagc	tactcgggag	120
gctgaggcag	gagaatggcg	tgaacccggg	aagcagagct	tgagtgagc	caagattgag	180
ccactgcagt	ccgcagtcg	gcctgggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	240
aaaaaaaaag						250

<210> 12758  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 12758						
atgaaatagg	ccgggcgcg	tggctcacgc	ctgtaatccc	agcacttttg	gaggccgagg	60
cgggtggatc	atgagggtcag	gagatcgaga	ccatcctggc	taacaaggag	aaacccccgtc	120
tctactaaaa	atacaaaaaa	ttagccgggc	gcggtggcgg	gcgcctgtag	tcccagctac	180
tggggaggct	gaggcaggag	aatggcgtga	acccgggaag	cggagcttgc	agtgagccga	240
gattgcacca	ctgcagtcg	cagtcgggcc	tgggcgacag	agcgagactc	cgtctcaaaa	300
aaaaaaaaaa	aaaaagaatg	aaataa				326

<210> 12759  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 12759						
gccgggtgag	gtgggtcacg	tctgtaatc	ccagcacttt	gggaggccga	ggcgggtgga	60
tcatgaggtc	aggagatcga	gaccatcctg	gctaacaagg	tgaaaccccg	tctctactaa	120
aaatacaaaa	aattagccgg	gcgcggtggc	gggcgcctgt	agtcccagct	actggggagg	180
ctgaggcagg	agaatggcgt	gaacccggga	agcggagctt	gcagtgagcc	gagattgcgc	240
cactgcagtc	cgagtcctg	cctgggcgac	agagcgagac	tccgtctcaa	aaaaaaaaaa	300
aaaaaaaaag	gaaaaaatac	a				321

<210> 12760  
<211> 318  
<212> DNA  
<213> Homo sapiens

<400> 12760						
gactcacggg	cgggcgcggt	ggctcacgcc	tgtaatccca	gcactttggg	aggccgaggc	60
gggtggatca	tgagggtcagg	agatcgagac	catcctggct	aacaagggtga	aacccccgtct	120
ctactaaaaa	tacaaaaaat	tagccaggcg	cgggtggcgg	gcctgtagt	cccagctact	180
cgggaggctg	aggcaggaga	atggcgtgaa	cccggaagc	ggagcttgca	gtgagccgag	240
attgcgccac	tgagtcctac	agtccggcct	gggtgacaga	gcgagactcc	gtctcaaaaa	300

aaaaaaaaaa aaaaaaaaaa

318

<210> 12761  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 12761  
ggaggccgag gcgggtggat catgagggtca ggagatcgag accatcctgg ctaacaaggt 60  
gaaaccccggt ctctactaaa aatacaaaaaa attaaccggg cccggtggcg ggcgcctgta 120  
gtcccagcta ctccggaggc tgaggcagga gaatggcgtg aaccaggag ggcgagcttg 180  
cagtgcgcg agattgcgcc actgcagtcc gcagtctggc ctgggcgaca gagcgagact 240  
ccgtctctaa aaaaaaaaaa aaaaaaaaga 270

<210> 12762  
<211> 248  
<212> DNA  
<213> Homo sapiens

<400> 12762  
ggtcaggaga tcgagaccat cctgggctaac aagggtgaaac cccgtctcta ctaaaaatac 60  
aaaaaattag ccgggcgcgg tggcgggccc ctgtagtccc agctactcgg gaggctgagg 120  
caggagaatg gcgtgaaccc gggaagcggg gcttgacgtg agccgagatt gcgccactgc 180  
agtccgcagt ccggcctggg cgacagagcg agactccgtc tcaaaaaaaaa aaaaaaaaat 240  
agatcagc 248

<210> 12763  
<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 12763  
cagcactttg ggaggccgag gcgggtggat catgacgtca ggagatcgag accaccctgg 60  
ctaacaaggt gaaaccccat ctctactaaa aatacaaaaa attagccggg cgcggtggtg 120  
ggcgcctgta gtcccagcta ctccggaggc tgaggcagga gaatggcgtg aaccgggaa 180  
gcggagcttg cagtgcgcg agattgcgcc actgtggtcc gcagtccggc ctgggcgaca 240  
gagcaagact ccgtctcaaa aaaaaaaaaa aaaaaaaaag tcta 284

<210> 12764  
<211> 33  
<212> DNA  
<213> Homo sapiens

<400> 12764  
gagactccgt ctcaaaaaaa aaaaaaaaaa aat 33

<210> 12765  
<211> 1836  
<212> DNA  
<213> Homo sapiens

<400> 12765  
catttggtcca tatctataag actttacttc tgggttctct attctgttct gtttatttat 60  
atgtctgtct ttaggacagt actacacagt tttgattccc ctgttgtagg ggaatcttgt 120  
tttattgtgc ttactttat tacgctttgc agataatgca ttgtttacaa atggaaggtt 180  
tgtggtaacc ttgcatcaag caagtctatt ggcaccattt ttccaatagc atatgctcac 240

tttgtgttct	tatgccataa	tttggtaatt	cttgcaatgt	tttcagtttt	tttcctcctc	300
ctcctccttt	tccttccttt	tatectcctc	ctcctccttc	ctccttcctc	ctccgtcctc	360
ctcctcttcc	tcttctcttt	cctcctcctc	ttctccttct	cctccttctt	ttccttcttc	420
ttctttcttg	gacaggggtct	cattcttctg	cccaggttgg	agtataccgg	cacgatcata	480
gcccgtctga	gactcaaaact	cctgacctca	agcaatcctc	ccttcttggc	ctcccaaagt	540
gctgggatta	gaggcatgag	ccactgcacc	tggccagttt	ttcattattc	ttatatatgt	600
tatgggaatg	tgactagtga	tctttgaaga	tactattgta	actgttttgg	gggcaccata	660
agccataccc	atgtaagact	tgaactgtgt	attccagtga	aaggaagagc	tgcatgtctg	720
tcactttaaa	ttaaaagcta	gaaatgatta	agtgtctgtg	ggaaagcatg	tcaaaagctg	780
ggtgagttag	gtcaaaaagtt	aggcctcttg	taccaagtag	ttagccagct	tgtgagtgtg	840
aaggaaaatt	tcttgcagga	aactaaatgt	gctccttcag	tgaacagtcg	aatgttaaga	900
aagcgacaca	gggttattgc	taatatggag	aaagttagt	ggtctgggta	gatcaaacca	960
gccacaattt	tcccttgagc	caaagcctaa	tccagagcaa	ggccctaaat	ctcttcaatt	1020
ctttgaaggc	tgagaggagt	gaggaaactg	cagaagaaat	gtttgaagct	agcagagggt	1080
gtttcatgat	atttgaagaa	agaagctacc	attataatat	gaaagtgcaa	ggtgaagcag	1140
caagtgtctga	cgtagaagct	gcagcaagtt	atccagaagc	tctagctaag	atcattgaga	1200
aagggtggcta	cactaaacaa	cagattttca	atgtaaacca	aacagctttc	taatggtgaa	1260
gataccatcc	aggatgagga	gtcaatgcct	agcttcaaat	cttcaaagga	caggatggct	1320
ttcttgtaa	gggccactgc	tcattttacca	ttctgaaaat	cctaggttcc	ttaagaatta	1380
tgctaatttt	actctgcttg	tagtgtagaa	gtggaagagc	aaagcttgga	tgacagcaca	1440
tctgtttact	gcatggctta	ctgaatagtt	taaaccact	gttgagccct	actgctcaga	1500
aaaaaaagac	tcctttaaaa	atattactgc	tctggctcac	gcctgtaatc	ccagcacttt	1560
gggaggccga	ggcgggtgga	tcatgaggtc	aggagatcga	gaccatcctg	gctaacaagg	1620
tgaaacccca	tctctactaa	aaatacaaaa	aattagccgg	gcgcggtggc	gggcgcctgt	1680
agtcccagct	actcgggagg	ctgaggcagg	agaatggcgt	gaacctggga	agcggagctt	1740
tcagtgagcc	gagattgcgc	cactgcggtc	gcgagtcagg	cctgggagac	agagcaagac	1800
tccgtctcaa	aaaaaaaaaa	aaaaaaaaaa	atatta			1836

<210> 12766  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 12766						
cggtggctca	cgctgtaat	cccagcactt	tgggaggccg	aggcgggtgg	atcatgaggt	60
caggagatcg	agaccatcct	ggctaacaag	gtgaaacccc	gtctctacta	aaaatacaaa	120
aaattagccg	ggcgcggtgg	cgggcgcctg	tagtcccagc	tactcgggag	gctgaggcag	180
gagaatggcg	tgaacccggg	aagcggagct	tgcagtgaagc	cgagattgcg	ccactgcagt	240
ccgcagtcgg	gcctgggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	aaaaaa	296

<210> 12767  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 12767						
aatcccaaaa	ctttgggagg	ccgaggcggg	tggatcatga	ggtcaggaga	tcgagaccat	60
cctggctaac	aagggtgaaac	cccgtctcta	ctaaaaatac	aaaaaattag	ccgggcgcgg	120
tggcggggcg	ctgtagtccc	agctactcgg	gaggctgagg	caggagaatg	gcgtgaaccc	180
gggaagcggg	gcttgtagtg	agccgagatt	gcgccactgc	agtccgcagt	ccggcctggg	240
cgacagagcg	aaactccgtc	tcaaaaaaaaa	aaaaataaaa	aataaaaaaa	ataca	295

<210> 12768  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 12768

tttttaattt	tttttttttt	tttttttttg	gtagagactg	ggtcttactt	tatttcccag	60
gctagtctcg	aactcctgtc	ttcaagggat	cctcccaccc	tgacctccca	aagtgttggg	120
attacacatg	tgagccactg	gacctgggtc	cctttcataa	ttgaatatga	atgttttaaca	180
aatagatttg	ctgctcgggc	tgattttaa	ctaatacggg	taaagatgta	tgactaaaat	240
acaagggttg	taaataatac	tttgtatata	ggtaatatat	tcctgtgtac	taattgtttt	300
tattgtggca	aaaaaacttt	tacacataac	ataaaactca	ccctccaata	gtttccaaat	360
gtacagtata	cttttgccaa	ccacatgcat	gttgttatga	aacagttccc	cagaactcct	420
tccaccacc	ctg					433

<210> 12769  
 <211> 9951  
 <212> DNA  
 <213> Homo sapiens

<400> 12769						
agttccgaga	ctactgtgct	atctgcttaa	gatgggagtg	gcctgggtct	ccaaaagcat	60
tggaaaagtg	caatttagaa	gctgctttct	ttgaagggtca	ttttttgaaa	gtgctgttcg	120
acagaatggg	aagaattcct	gatcagggtaa	tacatttttaa	aataactaatt	ttcatatttt	180
tttttgccat	tcaccacaga	atcatctcaa	gtcttagtag	atcttcaata	aagtactttt	240
attgttttct	tactttttcc	actggatgac	tttttcatga	agcttgattg	ccaacaactg	300
gcagatttct	gatgcattct	gtatgttaaa	aacattttatt	tggcctgaca	gctgcttggt	360
tattttactt	ctcatgatag	gccattgtct	taatatcctt	aacacatttt	ggagatgatt	420
aggactgctt	ttctttttatg	acttgcttag	ccttttagtt	agtacattta	gtacaaatac	480
agatgctcaa	tttggaagac	cttaaatgtc	atttcagatt	gaatcttgaa	caactggtctc	540
agtaaaatca	cagaatagtg	ttagatgaac	ctggctcctt	agacaaaagct	tgtaaacgat	600
actcattttc	ataagggaga	ggtgaaatag	aaaagggttaa	tgtactcctt	taaagggtgga	660
taaaaatcac	catcagctga	taagttgcta	tgtacatctc	atctgactgt	taggagaaat	720
aaatttgggg	ttatggaatc	cctccttcca	tctctcattg	gctcataagc	ttagtgatga	780
gagagctttg	aaatgcttga	ctcattagaa	tctaaacctg	aaagaacaca	actagcatag	840
tactttcttc	agtgtggaaa	ctgagtggac	caattttggaa	ttaattttca	actgtatgtt	900
aaagtacgtg	ttcttttttt	agcatttttag	ttaaatatatt	atgtgagcat	agggagtgtg	960
aaaagaaatt	tactaagttag	gctgtcttca	gtaactagaa	agtcaaataa	agaaattgtta	1020
atctaagaag	tatttcacta	tgttagagtt	tagtcagcgt	tgtttctgac	ggtaatctct	1080
ataagagacc	agggtcctttt	ttttttcttt	tttaacctct	taatagcatt	cgctgtattt	1140
ctagtgttgc	ttgggttggtc	gtttttaaacc	tgacaaccaa	agtataaaaa	tctgggtatt	1200
aataggtatt	gtggcctcac	ctcatggctg	tgtaaacctc	ctgggtagcc	aggatgcatc	1260
agttttattgt	ggtttgtttt	ttgtttttgt	ttttgagcca	gtttgctagg	cgtagtttaa	1320
atcaagcttg	ttgcttgatt	aagctaacaa	gcaagaggta	ataacaatga	gtatcaagac	1380
agtaatgttt	aggaattttg	accgaaagta	ctaaaaagga	atctaaattt	taaaaagtag	1440
tttctgaatt	gaaagatcta	ccctgaatct	tcaaccttga	gcactttttc	tctagtttgt	1500
ggagtgtctg	cacaaaagga	tacattgaaa	acagaatatc	tgaaataact	aaaatacttt	1560
tcaatttcac	cagatagcac	ttcatagcac	agcgctgatt	catagactgt	ttcagtcatt	1620
cttcctgtaa	ccgtgtatca	taggcaagag	agattttctag	tattatttta	caaatgagga	1680
atctttgggt	tcagttatgt	gacttacagc	tggttaagcta	tggagccccg	tctgaaacct	1740
tttatcttta	aaactcttga	gccgggtgca	actgtagtcc	cagctactca	ggagtctgag	1800
gcaggaggat	tgcttgaccc	caggagtcca	aggctgtagg	gcgctatgat	tgtgcctaag	1860
gatagccact	gcacactagc	ctaggcaaca	tagtgagacc	ccgtctctaa	aacaaaatta	1920
aaacacaaac	aaaaaaaaaa	cccttgattt	tcaaagcctt	ttgggtaaga	acgtgggtata	1980
gtctgatctc	agagataaaa	cacaagtcct	agaaagctaa	gcattttttg	cctagtttta	2040
ctttcttttc	taaacatttt	tgccggaagt	gatacttgct	tgtagtttct	tttttttctt	2100
tctctcccta	tttcttcttc	tttttttttt	ttctgagacc	gagtcctcgt	ctgtcaccga	2160
ggctggaatg	cagtgggtgtg	atcttggtct	attgcaacct	ctccctcccg	gctcaagcga	2220
ttctcccgtc	tcagcgtcct	gagtagctgg	gatcacagggt	gcacaccacc	acgcctggca	2280
aattttttgta	tttttaatat	agatgggggt	tcaccatatt	gctcaggctg	gtcttgaact	2340
cctgacctca	ggtgatccac	ctgcctcggc	ctcccaaagt	cctgggatta	caggcatgaa	2400
ccaccacgcc	tggccttctt	ctttcttctt	ttttcttttt	cttttgtttt	tctctttgca	2460
gggcattttt	ttagtataga	ttcctaataat	gggtctaggta	acttgactga	gattaaaaat	2520
ttaatatgaa	tagtttggca	agtggtcaat	gtcttcatgc	ataattgaga	acttacagta	2580
tcaagtattc	ataacactat	tgtgttatca	caatgctaatt	ttgaaaaaat	tcataataca	2640
aacattttact	attgttttga	acgggtggtga	ttttaaaaag	atagtaaaat	actaaagccc	2700

atagcagaat	gtaaagaaca	ctgggaacat	tgtaaggagg	ccaaatcttg	tccctgccct	2760
gagcatgatg	agtttgaatt	tgatcaagta	acttagctac	ttgtcacatt	ttctaattgt	2820
taaagtgaag	ttgatattac	ttttttaagt	caaagtttat	tatctcaaaa	tttgagttca	2880
gtccaaaaac	atggggccaag	tccattttgtc	atgtcagaga	aatctggcct	gctttccctt	2940
caggtaaata	ctgtataaag	tataaaataa	agggacctca	agtaatagat	ataaacactt	3000
aactaccaac	aacttccaaa	aaggctagct	tgtttttaaag	ttattacca	taggaagtag	3060
agaccatttc	agagtacagt	gaaacaagtt	tatcttggtg	aaattttatt	tcattttttac	3120
tacgttgaga	aataatctgt	gtcagcctta	aatttcttaa	gcaacctatg	acctacattt	3180
atgttaaaat	aaactacaaa	ccaaggtaac	accacacaga	gaaaatacaa	agtctaaata	3240
gtaatgtatt	tgtttaaagc	caaattgtac	tgattttatt	atttaagcac	ctgcagatgg	3300
cgaaatttag	tgacctaaaa	atcttaacta	cctgcagtga	agagtcatgt	acaattctgg	3360
acttaagtgt	tattttaaat	tttttctact	tttttttttt	ttttactaaa	tgcatctctt	3420
taaattattt	tttgtaaattg	attccttcat	acctaaaata	caattttaatg	tgaattcatt	3480
gtttattatg	agttgagtc	cagagaaggc	tattctgttg	caaataattat	caagggagga	3540
ggaatggaga	gaagttgggt	aatgagtc	aaagtacagt	tagaagaaat	aagttctagt	3600
attcagtagt	acagtaggga	aattagttta	caaaaacgta	ttgtatat	caaaggagct	3660
agaagagaa	tgtgatgttc	ccaacacgaa	gaaaagataa	atgctggagg	tgatggatgt	3720
cccagttacc	ctaatttggg	cattacacat	tacacattgt	gaaatgtatc	aaaatatcac	3780
atggaccccc	cccaaaatag	gtacaattat	gctatatcaa	taaaaaatac	ccaaagcccc	3840
caagtattac	caagtaggag	aatttactct	taaactatcc	tttactggga	atacatattt	3900
cctttcaatt	accttgctta	cagctagggt	ttgaaaaaaa	ataataaatg	acttgagca	3960
gtttttaatt	ctttaaaaaa	atccatgttc	atgaatctag	tagtaagtta	gaaagactaa	4020
aatgggcctt	acagcatagg	acttgagagt	ttctgtttat	gtaacaaaac	atgttcacg	4080
tagcgtctgt	agctgtgggt	attttcaaaa	gatagtaaaa	tgccgaagtc	tgtagcagaa	4140
ctggcgtgtg	cccagacatt	ctccactgaa	tgccagagat	tgacttcctc	attgctattc	4200
actgtgatca	aggctttgca	ggttgttcag	tggtcgagag	tgaacacattc	cgctgtgctg	4260
gctgatgttg	cacttggtcc	tgactccctc	ttccctccac	tgtgctgcag	tgtctgtctc	4320
actcttgcca	cctgggttct	ctgcagcctc	ctcactgtag	ttagttttgt	tgcaaccaat	4380
ccgtttccct	tggctgctta	gaagaagcaa	actggaagg	gtgagaagtt	tctattgaaa	4440
gttctgagca	agtagtagca	actccttgtg	tagtgtgcct	tttgctttgt	tgacatgact	4500
ctgtaaagcc	cctttctgtg	aagaataaac	agacaattag	aattcaagta	aaatcacgat	4560
attacatgta	aaacaagtgt	gaggaactgt	acacagatat	acagttgttt	ggagaaagtt	4620
aatactcatg	caagaaatga	gatgatccct	ctctgtaatc	accattttga	accttctcat	4680
ccactttgag	gcataagggtc	gtcatcagtt	ctatcccca	gtactttcat	ttcattctgg	4740
tgacaagggt	ctgtgattcg	actttatttt	actgtatgtg	tttttgggaa	ttggcagtag	4800
ttgaataatc	tgagggtgagg	aatatcactt	ctaaaattac	tatatttaaa	aagggtgta	4860
atcttcccat	cttggttttt	ggtcttatgc	tcaatgggtc	ctctgtaatt	aatattatat	4920
atgacacact	ggtgcttttt	tatgaccctt	tgaacaattt	cattaattga	atcaacctgc	4980
ataaaataaa	cattctgact	ctgtcacata	tttgtcttta	tatgtttata	tattttttta	5040
atcttttaaag	tttttaggct	gcaatatatg	taatttgaga	tgatgagagc	tagtttagtt	5100
gtagatattt	tcattgcaga	agagcatg	caggaggag	gaagatgggtg	gattctgctt	5160
tctttttttt	tgtttgagac	agagtttgcg	tctgttgcc	caggctggag	tgagtgagg	5220
tgatctcggc	ccactgcaac	ctccacctcc	tgggttcaag	cagttctctt	gcctcagcct	5280
cccaagtagc	tgggattaca	ggcatgtgcc	accacaccgg	gctaattttg	tattttgagt	5340
agagacgggg	tttctccatg	ttgggtcagg	tggtctcgaa	ctcccaacct	cagggtgatcc	5400
gcccgcctca	gcctcccaaa	gtactgggat	tacagggtgtg	agccactggg	cctggccaga	5460
ttctcctttc	ttaaaagaac	aaattgaaat	agtaaattaa	gcacaccggg	atacattatt	5520
tttaaatgtc	tttctgtttt	ttatctctcc	atagccatat	gatgtaaact	tacaagtaac	5580
ctcagtgtta	tctagacttt	ctctcttccc	tcattccacac	atccacgagt	accttttgga	5640
tccttacgtg	aacctcgctc	ctggctgtag	atctctcttc	tctgtaattg	tcagggtgag	5700
ttactagttc	tgtttatattc	cctaggattg	ataaatctgt	gcaattaata	tgtaaatatc	5760
attgtatgca	gttagtgtca	cataatgaaa	aatatatcta	ctgcttaaaa	gtaattatta	5820
tacattctga	actactat	tttcaattat	tttaaaata	atgtaacttt	tatttttaaag	5880
aattaggtat	gagtccttgg	ttaaagatga	ttatatgagt	agtgaaggtt	tacgttcttt	5940
attaaatagt	aggggaaggaa	gatttttctt	tttagatcct	gagggtgtct	gtgtagctga	6000
tttcagggaac	tgaagtgcct	tgctctgtg	atgcagggtg	ttggagacct	tatgcttcga	6060
atccagcgta	ttcaagactt	tactcccaag	cttctgttag	tcagaaagcg	gttacttggt	6120
ttggaacctg	aaggccctat	gtaagtttagt	gttttacatt	tttttaatcc	aaaaatttca	6180
gtgaacttaa	tgatcggtg	ctatcttgaa	ttgatttatt	gtctgttttt	tccttaccag	6240
tattgaccac	atcacactgc	tagagggtgt	gattgtgtta	gaagagttct	gtaaggagct	6300
ggcggcaatc	gcatttgtaa	aatatcatgc	ttcctccaca	ccataaataa	catctttcat	6360



gtaactgggg	gaacagaact	actgtgtaca	tttcaccaa	aaagactcag	ttccaccag	6420
ccacaagagg	ataaaaagcc	tttttaaagc	cagtattgct	gtaaactgga	cagaaccatt	6480
aagaacctat	tgagtggaca	ttcttgggtga	aatgttgtat	aatgttgttt	tcattggcctt	6540
tatcataatg	gttctatata	tacaattgca	cattgttgaa	tccaggatag	aatcaaagga	6600
acttcaggaa	ataagcattt	ctaagtactg	tgaaaagctg	caatatttcc	aatgtcatga	6660
ctttgatgat	atttctgtta	tattaatgct	cttttaggta	gcaaggcatt	ttgacattct	6720
ctgggactca	aatgcttgta	ttcttttggg	tttaataagta	gcaaaaaaaa	atcataatt	6780
ttataacttt	ttaaggctcag	aattcttatc	aaacaaaata	tgaaaactgt	aaatgagaaa	6840
aaaatacaat	tcagaaacca	ttgaatgaat	taattatagg	cgataaaaaat	gtgtagagca	6900
ccattaactt	tcttcagcct	ttttaagaat	aacaatttaa	tatgataaat	tcttgattaa	6960
tataatatat	ctatatTTTT	aaagaaatgt	tcttttactc	ttttgtgcac	atagccatgt	7020
tagtgatttt	cttcatgtgt	gggtcccagt	ttatttaaac	tgtgtcgttt	tcgcagcagt	7080
gttcaatttg	ctcaccattg	gtagtgtttg	ctaaaattgt	atTTTTTTTaa	gctaagtaac	7140
atgtactggg	ttgagaacct	ttttcccccc	tctccctctc	agaaaattgc	tttataaaaat	7200
tgctttataa	tttgattttc	ttactgaaac	gcatgggtgg	gtctagggtg	ggaactgact	7260
gataaccctt	ggcagcaatc	aaagtgccag	tggctcctcg	atgtttacat	tttttctat	7320
tttggttcagt	cttttgtttt	aaatgattct	aaagagatta	aagaaaacag	agtttttaaat	7380
gtcctatttt	catgttaaag	gatttgggga	aattgggtat	gtatgtgaat	gggtgtacat	7440
gtaggaacct	gtagttcagc	aaagctgcgc	tgggcacagc	atgcttgtag	ttgattgaca	7500
aaatcggtgt	tgccagtcac	ctttctattt	ttcctttaag	tgatgctgat	cactcaaata	7560
atgcttttaa	gctattgttt	gtttttattt	gacatgttaa	gccgcagcac	tttcttcttc	7620
atctttccat	ttactgatat	ttgggggaac	aggctatcaa	aggttccggc	ttgaagggaa	7680
ctgtcactac	ccccctctag	aagtattttt	atgtagcatg	tttgcatata	cgcattgtgt	7740
ggcatgtgca	tagaggcttg	ttttacacct	atctgtctat	tttgttgtgt	tagcttttct	7800
ggtttatatt	atagtttgtt	cttgctattt	attaagaaca	gaatatcaaa	agattatgaa	7860
tagcctcagc	tctagaatgc	ttaccactgt	taaaacaaca	aaaagactaa	acctctaatt	7920
tcatgcaaat	ctttgttagc	ttatttctaag	aaatttatta	agtaaaacaa	agaaaaaaca	7980
gaagtgggag	atagtatttt	tgtgcgtaat	tttcttttaa	tcatttttgaa	tgatgtgaag	8040
gcattcagtt	tgctgtattt	ttttaatcac	ttcatacaag	gaaaacttcg	acatttacat	8100
ttctagatgt	agtaacagtc	tactttgata	tatgagtatt	taaactaagg	cattaagaga	8160
tattagatat	ttcttaatgt	tttcatagtg	ctcaataggt	gtagtagcaa	tgatattacc	8220
tctgaaacca	aatactcttt	tatccttgat	tccactatgg	gaccttataa	ctagtccatg	8280
aaaccaagct	cagaaaagct	ttaactctta	tatttgtgta	tatgtatgct	gcttctgaaa	8340
atataatttt	tctaagttgt	tgtaagtact	ttaatttghta	atcagctaa	gcttaagatt	8400
tcatttgttt	ctaagtttct	gtttttctatc	ccttcttttt	tcttttatat	ttagttcaga	8460
cctagagcca	gtagaagctc	tcacagtgag	ttcaatttgt	tagtgaaaca	ttgtactgca	8520
tcaccagttt	ttcttacctt	ctgttgacag	ctgaatattt	ctgttactca	gtacttgcaa	8580
aaacagtaac	taaaatgcac	tatgctgagt	ggaaagcacc	gtcataacaa	ttgattgcca	8640
tagcaagttc	caaagtgaat	ttcagccctg	cttcacattt	gtatcaataa	atatgcacat	8700
tttttaaaaac	tttctaacaa	tatagtcttt	ggatttgttt	ttagttatga	gccgcattct	8760
ttacttgata	gaactcagat	ttgtcttagc	ctattgccat	atagtactca	ccttataact	8820
atctaacttt	ctcgtaactgt	atctgtttgt	gcaatatgga	agctgtgagt	ggattcatag	8880
ctttttgggt	taattgtaca	ttattgtgtg	tgatatatag	tatatatgta	tatatataag	8940
gaccaaatt	cttagctcgc	ttacactgtt	gctagtgtaa	acattgttac	acttaatttt	9000
acagggcaca	aattatggaa	ttacttcata	aattcatggt	aatgttttca	taaattattg	9060
cattaacata	caattgccat	ttaattatga	agtccatcag	tattgacaga	agacgttaca	9120
gtgaagtgtc	aaaaccacac	tatatggtaa	ttatattttg	ggttatgtag	taaatcaaat	9180
atgcatgtca	ttgtgacact	ttatgtgtta	aaacatggta	gataatcaca	ttttctgggc	9240
cctgtaaaaat	agtgttactg	taatactctg	ttttgctctc	tgcttgtttt	acattaaaca	9300
ggatattttg	taaatttttt	tgtattgaaa	gttgtgtagg	ttactgacag	tgttaccagc	9360
gtctggaatt	cttggtccct	ccgtggagaa	actcttccga	tggtcattgt	gtacctactc	9420
tctcttcaaa	ggaagttgtg	atcaagttca	actttttgtg	ctaacaatgc	atgcaggact	9480
aagagggatg	atctaaaaaa	taaataatgt	aattttaaaca	aaacgtctta	tgtttttghta	9540
aaatttcta	tgggaacatt	ttatccaatg	ataaatctca	aacaattttt	aactttttgc	9600
acccccagca	cacaaagggg	tatggcacc	tacaatcagt	gggtctctat	agtattctag	9660
ggagagaaca	aaaagcaatg	tatctatttg	tggaggagag	atgtgtagct	tgaaaaattc	9720
ccccaggaaa	acctccactt	cccttcttaa	taatcactgc	ccaaaaggaa	ggaatgttta	9780
tgcacgtctc	aaaaacaatt	tttttttttt	tgaggcagag	tctcgctctg	ttccccaggc	9840
tggaatgcaa	tggcatgac	tcagctcact	gcaacctccg	ccccctgggt	tcaagtgatt	9900
ctcctgcccc	agcctcctga	gtagctggga	ttacaggtgc	ctgccaccat	g	9951

<210> 12770  
 <211> 9951  
 <212> DNA  
 <213> Homo sapiens

<400> 12770

agttccgaga	ctactgtgct	atctgcttaa	gatggggagt	gcctgggtct	ccaaaagcat	60
tggaaaagt	caatttagaa	gctgctttct	ttgaagggtca	ttttttgaaa	gtgctgttcg	120
acagaatggg	aagaattctt	gatcaggtaa	tacattttta	aataactaatt	ttcatatttt	180
tttttgccat	tcaccacaga	atcatctcaa	gtcttagtag	atcttcaata	aagtactttt	240
attgttttct	tactttttcc	actggatgac	tttttcatga	agcttgattg	ccaacaactg	300
gcagatttct	gatgcattct	gtatgttaaa	aacattttat	tggcctgaca	gctgcttggt	360
tattttactt	ctcatgatag	gccattgtct	taatatcctt	aacacatttt	ggagatgatt	420
aggactgctt	ttcttttatg	acttgcttag	ccttttagtt	agtacattta	gtacaaatac	480
agatgctcaa	tttgggaagc	cttaaagtgc	atttcagatt	gaatcttgaa	cactgggtctc	540
agtaaaatca	cagaatagtg	ttagatgaac	ctgggtcttt	agacaaagct	tgtaaacgat	600
actcattttc	ataagggaga	gggtgaaatg	aaaagggttaa	tgtactcctt	taaagggtgga	660
taaaaatcac	catcagctga	taagttgcta	tgtacatctc	atctgactgt	taggagaaat	720
aaatttgagg	ttatggaaac	cctccttcca	tctctcattg	gctcataagc	ttagtgatga	780
gagagctttg	aaatgcttga	ctcattagaa	tctaaacctg	aaagaacaca	actagcatag	840
tactttcctc	agtgtggaaa	ctgagtgagg	caatttgagg	ttatttttca	actgtatggt	900
aaagtacgtg	ttcttttttt	agcatttttag	ttaaatattt	atgtgagcat	agggagttgt	960
aaaagaaaat	tactaagtag	gctgtcttca	gtaactagaa	agtcaataaa	agaaattgta	1020
atctaagaag	tatttcacta	tgtagagatt	tagtcagcgt	tgtttctgac	ggtaattctct	1080
ataagagacc	aggtcctttt	tttttctttt	tttaacctct	taatagcatt	cgctgtattt	1140
ctagtgttgc	ttggttggtc	gttttaaacc	tgacaaccaa	agtataaaaa	tctggctatt	1200
aatagggtatt	gtggcctcac	ctcatggctg	tgtaaacctc	ctgggtagcc	aggatgcatac	1260
agtttattgt	ggtttgtttt	ttgtttttgt	ttttgagcca	gtttgctagg	cgtagtttaa	1320
atcaagcttg	ttgcttgatt	aagctaacaa	gcaagaggta	ataacaatga	gtatcaagac	1380
agtaatgttt	aggaattttg	accgaaagta	ctaaaaagga	atctaaattt	taaaaagtag	1440
tttctgaatt	gaaagatcta	ccctgaatct	tcaaccttga	gcactttttc	tctagtttgt	1500
ggagtgtctg	cacaaaagga	tacattgaaa	acagaatatc	tgaaataact	aaaatacttt	1560
tcaattttcac	cagatagcac	ttcatagcac	agcgttgatt	catagactgt	ttcagtcatt	1620
cttcctgtaa	ccgtgtatca	taggcaagag	agatttctag	tattatttta	caaagagga	1680
atctttgggt	tcagttatgt	gacttacagc	tggttaagcta	tggagccccg	tctgaaacct	1740
tttatcttta	aaactcttga	gccgggtgca	actgtagtcc	cagctactca	ggagtctgag	1800
gcaggaggat	tgcttgaccc	caggagttca	aggctgtagg	gcgctatgat	tgtgcctaag	1860
gatagccact	gcacactagc	ctaggcaaca	tagtgagacc	ccgtctctaa	aacaaaatta	1920
aaacacaaa	aaaaaaaaaa	cccttgattt	tcaaaagcct	ttgggttaaga	acgtggtata	1980
gtctgatctc	agagataaaa	cacaagtcct	agaaaagctaa	gcattttttg	cctagtttta	2040
ctttctttcc	taaacatttt	tgccggaagt	gatacttgct	tgtagtttct	tttttttctt	2100
tctctcccta	tttcttcttc	tttttttttt	ttctgagacc	gagtctcgct	ctgtcaccca	2160
ggctggaatg	cagtgggtgtg	atctttggctc	attgcaacct	ctccctcccc	gctcaagcga	2220
ttctcccgtc	tcagcgtcct	gagtagctgg	gatcacaggt	gcacaccacc	acgcctggca	2280
aatttttgta	tttttaatat	agatgggggt	tcaccatatt	gctcaggctg	gtccttgaact	2340
cctgacctca	ggtgatccac	ctgcctcggc	ctcccaaagt	cctgggatta	caggcatgaa	2400
ccaccacgcc	tggccttctt	ctttcttctt	ttttcttttt	cttttgtttt	tctctttgca	2460
gggcattttc	ttagtataga	ttcctaatat	ggtctaggta	acttgactga	gattaaaaat	2520
ttaatatgaa	tagttttggca	agtggctaata	gtcttcatgc	ataattgaga	acttacagta	2580
tcaagtattc	ataacactat	tgtgttatca	caatgctaata	ttgaaaaaat	tcataatata	2640
aacattttact	attgttttgta	acgggtgggtg	tttttaaaaag	atagtaaaat	actaaagccc	2700
atagcagaat	gtaaagaaca	ctgggaacat	tgtaaggagg	ccaaatcttg	tccctggcct	2760
gagcatgatg	agtttgaatt	tgatcaagta	acttagctac	ttgtcacatt	ttctaattgt	2820
taaagtgaag	ttgatattac	ttttttaagt	caaagtttat	tatctcaaaa	tttgagttca	2880
gtccaaaaac	atgggccaag	tccattttgtc	atgtcagaga	aatctggcct	gctttccttt	2940
caggtaaaata	ctgtataaag	tataaaaata	agggacctca	agtaatagat	ataaacactt	3000
aactaccaac	aacttccaaa	aaggctagct	tgtttttaag	ttattacca	taggaagtag	3060
agaccatttc	agagtacagt	gaaacaagtt	tatcttgttg	aaatttattt	tcattttttac	3120
tacgttgaga	aataatctgt	gtcagcctta	aatttcttaa	gcaacctatg	acctacattt	3180
atgttaaaat	aaactacaaa	ccaaggtaac	accacacaga	gaaaatacaa	agtctaaata	3240

gtaatgtatt	tgtttaaagc	caaattgtac	tgatttattt	atthaagcac	ctgcagatgg	3300
cgaaatntag	tgacctaaaa	atcttaacta	cctgcagtga	agagtcattg	acaattctgg	3360
acttaagttg	tattttaaat	tttttctact	tttttttttt	ttttactaaa	tgcattcttt	3420
taaattattt	tttgtaaattg	attccttcat	acctaaaata	caattttaatg	tgaattcatt	3480
gtttattatg	agttgagctt	cagagaaggc	tattctgttg	caaattattat	caagggagga	3540
ggaatggaga	gaagttgggt	aatgagtcga	aaagtacagt	tagaagaaat	aagttctagt	3600
attcagtagt	acagtaggga	aattagttaa	caaaaacgta	ttgtatattt	caaaggagct	3660
agaagagaac	tgtgatgttc	ccaacacgaa	gaaaagataa	atgctggagg	tgatggatgt	3720
cccagttacc	ctaatttggt	cattacacat	tacacattgt	gaaatgtatc	aaaatatcac	3780
atggaccccc	cccaaaatag	gtacaattat	gctatatcaa	taaaaaatat	ccaaagcccc	3840
caagtattac	caagtaggag	aatttactct	taaactatcc	tttactggga	atacatattt	3900
cctttcaatt	accttgctta	cagctaggtt	ttgaaaaaaa	ataataaatg	acttggagca	3960
gtttttaatt	ctttaaaaaa	atccatgttc	atgaatctag	tagtaagtta	gaaagactaa	4020
aatgggacct	acagcatagg	acttgagagt	ttctgtttat	gtaacaaaac	atgttcatcg	4080
tagcgtctgt	agctgtgggt	atthtcaaaa	gatagtaaaa	tgccgaagtc	tgtagcagaa	4140
ctggcgtgtg	cccagacatt	ctccactgaa	tgccagagat	tgacttcctc	attgctattc	4200
actgtgatca	aggctttgca	ggttgttcag	tggtgagag	tgaaacattc	cgctgtgctg	4260
gctgatgttg	cacttggtcc	tgactccctc	ttccctccac	tgtgctgcag	tgtctgtctc	4320
actcttgcca	cctgggttct	ctgcagcctc	ctcactgtag	ttagttttgt	tgcaaccaat	4380
ccgtttcctt	tggttgctta	gaagaagcaa	actggaaggg	gtgagaagtt	tctattgaaa	4440
gttctgagca	agtagtagca	actccttggt	tagtgtgcct	tttgctttgt	tgacatgact	4500
ctgtaaagcc	cctttctgtg	agaataaaac	agacaattag	aattcaagta	aaatcacgat	4560
attacatgta	aaacaagtgt	gaggaactgt	acacagatat	acagttgttt	ggagaaagtt	4620
aatactcatg	caagaaatga	gatgatccct	ctctgtaatc	accattttga	accttctcat	4680
ccactttgag	gcatagggtc	gtcatcagtt	ctatcccaa	gtactttcat	ttcattcttg	4740
tgacaagggt	ctgtgatctg	actttatttt	actgtatgtg	tttttgggaa	ttggcagtag	4800
ttgaataatc	tgagggtgagg	aatatcactt	ctaaaattac	tatatattaa	aaggtgtaat	4860
atcttcccat	cttggtttttt	ggtcttatgc	tcaatgggtc	ctctgtaatt	aatattatat	4920
atgacacact	ggtgcttttt	tatgaccctt	tgaacaattt	cattaattga	atcaacctgc	4980
ataaaataaa	cattctgact	ctgtcacata	tttgtcttta	tatgtttata	tattttttaa	5040
atctttaaag	ttttaggcct	gcaatatatg	taatttgaga	tgatgagagc	tagtttagtt	5100
gtagatattt	tcattgcaga	agagcatgcg	cagcagggag	gaagatgggt	gattctgctt	5160
tccttttttt	tgtttgagac	agagtttctg	tcttgttgcc	caggctggag	tgtagtgccg	5220
tgatctcggc	ccactgcaac	ctccaccttc	tggtttcaag	cagttctctt	gcctcagcct	5280
cccaagtagc	tggtgattaca	ggcatgtgcc	accacaccgg	gctaattttg	tattttgagt	5340
agagacgggg	tttctccatg	ttggtcaggc	tggtctcgaa	ctcccaacct	caggtgatcc	5400
gcccgcctca	gcctcccaaa	gtactgggat	tacaggtgtg	agccactggg	cctggccaga	5460
ttctcctttc	ttaaaagaac	aaattgaaat	agtaaattaa	gcacaccggt	atacattatt	5520
tttaaatgtc	tttctgtttt	ttatctctcc	atagccatat	gatgtaaact	tacaagtaac	5580
ctcagtgtta	tctagacttt	ctctcttccc	tcatccacac	atccacgagt	accttttgga	5640
tccttacgtg	aacctcgctc	ctggctgtag	atctctcttc	tctgtaattg	tcagggtgag	5700
ttactagttc	tggttatatt	ctaggattag	ataaatctgt	gcaattaata	tgtaatatc	5760
attgtatgca	gttagtgtca	cataatgaaa	ataatatcta	ctgcttaaaa	gtaattatta	5820
tacattctga	actactattt	tttcaattat	tttaataaat	atgtaacttt	tattttaaag	5880
aattaggtat	gagtccttgg	ttaaagatga	ttatatgagt	agtgaagatt	tacgttcttt	5940
attaaatagt	aggggaaggaa	gatttttctt	tttagatcct	gaggttgtct	gtgtagctga	6000
tttcaggaac	tgaagtgcct	tgccctctgt	atgcagggtg	ttggagacct	tatgcttcga	6060
atccagcgta	ttcaagactt	tactcccaag	cttctgttag	tcagaaagcg	gttacttggt	6120
ttggaacctg	aaggccctat	gtaagttagt	gttttacatt	tttttaatcc	aaaaatttca	6180
gtgaacttaa	tgatcggctg	ctatcttgaa	ttgatttatt	gtctgttttt	tccttaccag	6240
tattgaccac	atcacactgc	tagagggtgt	gattgtgtta	gaagagttct	gtaaggagct	6300
ggcggcaatc	gcatttgtaa	aatatcatgc	ttcctccaca	ccataaataa	catctttcat	6360
gtaactgggg	gaacagaact	actgtgtaca	tttcacccaa	aaagactcag	ttccaccacg	6420
ccacaagagg	ataaaaagcc	tttttaaacg	cagtattgct	gtaaaactgga	cagaaccatt	6480
aagaacctat	tgagtggaca	ttcttggtga	aatgttgtat	aatgttgttt	tcattggctt	6540
tatcataatg	gttctatata	tacaattgca	cattgttgaa	tccaggatac	aatcaaagga	6600
acttcaggaa	ataagcattt	ctaattgact	tgaaaagctg	caatatttcc	aatgtcatga	6660
ctttgatgat	atttctgtta	tattaatgtc	cttttaggta	gcaaggcatt	ttgacattct	6720
ctgggactca	aatgcttgta	ttcttttggg	tttaataagta	gcaaaaaaaa	atcactaatt	6780
ttataacttt	ttaaggtcag	aattcttatc	aaacaaaata	tgaaaactgt	aaatgagaaa	6840
aaaatacaat	tcagaaacca	ttgaatgaat	taattatagg	cgataaaaaat	gtgtagagca	6900

ccattaactt	tcttcagctt	ttttaagaat	aacaatttaa	tatgataaat	tcttgattaa	6960
tataatatat	ctatatTTTT	aaagaaatgt	tctttttactc	ttttgtgcac	atagccatgt	7020
tagtgatttt	cttcatgtgt	gggtcccagt	ttattttaaac	tgtgtcgttt	tcgcagcagt	7080
gttcaatttg	ctcaccattg	gtagtgtttg	ctaaaattgt	atttttttaa	gctaagtaac	7140
atgtactggg	ttgagaacct	ttttccccc	tctccctctc	agaaaattgc	tttataaaat	7200
tgctttataa	tttgattttc	ttactgaaac	gcatgggtgg	gtctaggtgg	ggaactgact	7260
gataaccctt	ggcagcaatc	aaagtgccag	tggctcctcg	atgtttacat	ttttttctat	7320
tttgttcagt	cttttgtttt	aaatgattct	aaagagatta	aagaaaacag	agtttttaaat	7380
gtcctattta	catgttaaag	gatttgggga	aattgggtat	gtatgtgaat	gggtgtacat	7440
gtaggaacct	gtagtccagc	aaagctgcgc	tgggcacagc	atgcttgtag	ttgattgaca	7500
aaatcgtgtt	tgccagtcga	ctttctattt	ttcctttaag	tgatgctgat	cactcaaata	7560
atgcttttaa	gctattgttt	gttttttattt	gacatgttaa	gccgcagcac	tttcttcttc	7620
atctttccat	ttactgatat	ttgggggaac	aggctatcaa	aggttccggc	ttgaagggaa	7680
ctgtcactac	cccctctagg	aagttatttt	atgtagcatg	tttgcatata	cgcattgtgt	7740
ggcatgtgca	tagaggcttg	ttttacacct	atctgctcat	tttgttgtgt	tagcttttct	7800
ggttttattc	atagtttgtt	cttgctattt	attaagaaca	gaatatcaaa	agattatgaa	7860
tagcctcagc	tctagaatgc	ttaccactgt	taaaacaaca	aaaagactaa	acctctaatt	7920
tcatgcaaat	ctttgttagc	ttattctaag	aaattttatta	agtaaaacaa	agaaaaaaca	7980
gaagtgggag	atagtatttt	tgtgcgtaat	tttctttaaa	tcattttgaa	tgatgtgaag	8040
gcattcagtt	tgctgtattt	ttttaatcac	ttcatacaag	gaaaacttcg	acatttacat	8100
ttctagatgt	agtaacagtc	tactttgata	tatgagtatt	taaactaagg	cattaagaga	8160
tattagatat	ttcttaatgt	tttcatagtg	ctcaataggt	gtagtagcaa	tgatattacc	8220
tctgaaacca	aatactcttt	tatccttgat	tccactatgg	gaccttataa	ctagtccatg	8280
aaaccaagct	cagaaaagct	ttaactctta	tatttgtgta	tatgtatgct	gcttctgaaa	8340
atataatttt	tctaagttgt	tgtaatgact	ttaatttgta	atcagctaag	gcttaagatt	8400
tcatttgttt	ctaagtttct	gtttttcatc	ccttcttttt	tcttttata	ttagttcaga	8460
cctagagcca	gtagaagctc	tcacagtgag	ttcaatttgt	tagtgaaaca	ttgtactgca	8520
tcaccagttt	ttcttacctt	ctgttgacag	ctgaatattt	ctgttactca	gtacttgcaa	8580
aaacagtaac	taaaatgcac	tatgctgagt	ggaaagcacc	gtcataacaa	ttgattgcca	8640
tagcaagttc	caaagtgaat	ttcagccttg	cttcacattt	gtatcaataa	atatgcacat	8700
tttttaaaa	tttctaacaa	tatagtcttt	ggatttgttt	ttagttatga	gccgcattct	8760
ttacttgata	gaactcagat	ttgtcttagc	ctattgccat	atagtactca	ccttataact	8820
atgtaacttt	ctcgtaatgt	atctgtttgt	gcaatatgga	agctgtgagt	ggattcatag	8880
ctttttgggt	taattgtaca	ttattgtgtg	tgtatatatg	tatatatgta	tatatataag	8940
gaccaaatt	cttagctcgc	ttacactgtt	gctagtgtaa	acattgttac	acttaatttt	9000
acagggcaca	aattatggaa	ttacttcata	aattcatggt	aatgttttca	taaattattg	9060
cattaacata	caattgccat	ttaattatga	agtccatcag	tattgacaga	agacgttaca	9120
gtgaagtgtc	aaaaccacac	tatatggtaa	ttatattttg	ggttatgtag	taaatcaaat	9180
atgcatgtca	ttgtgacact	ttatgtgtta	aaacatggta	gataatcaca	ttttctgggc	9240
cctgtaaaa	agtgttactg	taatactctg	ttttgcctcc	tgcttgtttt	acattaaaca	9300
ggatattttg	ttaaattttt	tgtattgaaa	gttgtgtagg	ttactgacag	tgttaccagc	9360
gtctggaatt	cttgggtccct	ccgtggagaa	actcttcaga	tggtcattgt	gtacctactc	9420
tctcttcaaa	ggaagtgtgt	atcaagttca	actttttgtg	ctaacaatgc	atgcaggact	9480
aagagggatg	atctaaaaaa	taaataatgt	aattttaaaca	aaacgtctta	tgtttttgta	9540
aaatttcta	tggaacattt	ttatccaatg	ataaatctca	aacaattttt	aactttttgc	9600
acccccagca	cacaaagggg	tatggcaccc	tacaatcagt	gggtctctat	agtattctag	9660
ggagagaaca	aaaagcaatg	tatctatttg	tggaggagag	atgtgtagct	tgaaaaattc	9720
ccccaggaaa	acctccactt	cccttcttaa	taatcactgc	ccaaaaggaa	ggaatgttta	9780
tgacagtcct	aaaaacaatt	tttttttttt	tgaggcagag	tctcgctctg	ttccccaggc	9840
tggaatgcaa	tggcatgata	tcagctcact	gcaacctccg	ccccctgggt	tcaagtgatt	9900
ctcctgcccc	agcctcctga	gtagctggga	ttacaggtgc	ctgccaccat	g	9951

<210> 12771  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 12771  
 gaggttgtagcag tgagctgaga tcacgccact gcaactccagc ctgggtgaca gagcaagact 60  
 ccattctcaaa aaaaaaaaaa aaaaaaaaaa aaactaataa tc 102

<210> 12772  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 12772  
gggtccagct actcgggagg cttaggcagg agaatggcgt gaaccagga ggtggagctt 60  
gcagtgaagcc gagatcgccg cactgcactc cagcctgggc gacagagcga gactccatct 120  
caaaaaaaaaa aaaaaaaaaa aattgtg 147

<210> 12773  
<211> 4678  
<212> DNA  
<213> Homo sapiens

<400> 12773  
ctctggaaat ccttgtaatc ttgaaggaat ggacctcaaa gtaaagagtc ttctcccact 60  
acctttttaca tacacctcat ttactcattt aaaaaatcct cagtaatctc ttactttctg 120  
ccctctactc catcaaaatg gattaattac ctttagaata ttaccatagg aacatattta 180  
ttctcctttc ttttaggttga agaaaaatag attagggaaa gacatttgcta tttgctgttt 240  
gcttactgga ttatcacagt tgtccactgt tttttcatgt tgaatctgca gtggagaaca 300  
ctgaaaaata cgatttttat tttctctcct gattttacca ttgggagaaa tcaggtctgt 360  
gtaattttaga tacactgatt ctttagcagg gcaaggttca gcatatgtgg cagttttact 420  
gatagtttga gccaatgaaa aagaactctg ccatggaaat gtgttgctct taaatttagt 480  
acttgtaagc cctgtttcaa gtaccataaa gaacaagttg aactttttaca tgccttatct 540  
tctggcatgc ccttccaagt tattctctgt actattatct taacattttt attgtactaa 600  
gagtttataa agtattttgt aacattttca gctgattttg atccttaggg caactccata 660  
aagaaggtaa aacaagtaca ttattataaa catttttaggc caggcgtggg ggctcacacc 720  
tataatccca gcactttggg aggtgggtgg atcatctgag gtcaggaatt cgagacctgg 780  
ccaacatggt gaaacccctg ctctactaaa aatataaaaa ttagccgggc gtgggtggcat 840  
gtgcctgtag tcccagctac tcaggaggct ctgcactcca gcctgggcaa cagaacgata 900  
cagagggtgc agtgaaccga gatcatgcca cagccctcca gcctgggcaa cagaacgata 960  
ctctgtctca aaaaaaaaaa aaattagccg gtcgtggtag tgcattgcctg taatcccagc 1020  
tactcaggaa aatcacttga acccaggagg tgggaatttt ggccattttg gaggctgagg 1080  
tgggtggatc acctgaggtc aggaattcga gaccaccctg gccaacatgg tgaaacccca 1140  
tctctactaa aaatacaaaa attagccggg catggtggcg tgcgcctgta gtcctagcaa 1200  
cttgggaggc tgaggcgagga gaatagcttg aaccaggagg gtggaagtgt cagtgaacca 1260  
agatcatgcc actgcactcc agcctgggtg acagagcaag accctgtctc tgaaaaaaag 1320  
aaacaaagcc cgggcatggt ggctcacggc tgtaatccca gcactttgag gggccgaggc 1380  
aggcagatca ctaagacagg agttcaagac cagcccgcc aacatagtga aacccgtct 1440  
ctactaaaaa tacaaaaatt agccgggcat ggtggcacac acctatagtc cttagcaact 1500  
gggaggctga ggcaggagaa tagcttgaac ccgggagggt gagcttgagc tgagctgagg 1560  
tcgcaccact gcactccagc aacagagtaa gactccatct caaaaaaaaaa taaaaataag 1620  
taaataaaga ttataaaaac aagaaacaga atcagggttg ttaagtgtct ggctgaaagt 1680  
gcaacatgaa gggctctctga cccaggctct ctgacttgaa ggccagtgtc ctttctatta 1740  
tactataatg cttctccata ttataagttg aggtttaata agatcaggct ttgggtgaagg 1800  
aaaaggctac agtgggggtt atgataagaa cttgggttct ctgcctatgt atcttccctt 1860  
gaccccttct tgttactcca agaggccatg atgtgttaagg aaaagagctc agcccagctg 1920  
agctaggtaa cctaactgtt tcagcaagaa attgttctga gaatgatgaa tgctgaaagt 1980  
gagactgtga gatatttatt ttttttattt gtttttaaga ttatggcatc gtcaaagcat 2040  
tgtggtgtct tttttactgc tgcttgtgtg gcttatagct acgtattatg ttgaaggagt 2100  
gcatcaacag gtgagaggtc gagcaattct gtttctagtc ttgcacattc tctaattctc 2160  
taatctcagt ttcaaattgg atgaatgtgg gttttataga atttctaccc tcaacattat 2220  
ctcataacta gtatctcaaa tgttttactt ttaaaggcat aactaaaaa tattcttgtg 2280  
atgttttatg gctgctgagg atttatatgt ggtgtgtgtg attcctttta ccttcaaaga 2340  
tttttttttt tttaaagaca gagtctcgct ctgtcaccca ggttgagcg cagtgggtgtg 2400  
atctgagctc actgcaacct ctgcctcctg ggttcaagca attctcctgc tgtagcctcc 2460  
caagtagctg ggattacagg cacctgccac cacaccagc taattttttt tgtatttttg 2520

tagagatggg	gttttgccat	gttggccagg	ctgggtctcaa	actcctgacc	tcaggtgac	2580
tggctgcctt	ggcctccaaa	aatgctggga	ttacaggcca	ctctgcctgt	aatcaaagat	2640
ttaaagttaa	ctttcctgaa	ggttttccgt	cacagcagca	tgaatccgtt	aatcactgcc	2700
aaagttttct	tattttctct	aacatacttt	tgtgacccat	ccaaataggt	aggcctctca	2760
tccaagggtg	atgattacgt	tttatttgta	taaaaagaca	ggttcatttg	cctgtagtct	2820
acatgtacaa	cattactgat	gggaaaatag	gatgctttgt	taacctcttt	tgttaaaata	2880
gcaaaacatt	aatgtatttt	aacaggaaat	ggttctagaa	tggatatttt	aagcagttta	2940
ctgccaatca	cagaaatgac	tctagaatgg	tattttaaaa	cagtttactg	ccaatcactg	3000
aaatgactct	agaatgggat	tttaaaacag	aaaattatcc	tcaaaattat	cttattcata	3060
gttctaaatg	catttatatt	aaatatatct	aaaattatcc	tcaaaattat	cttattcata	3120
atgtgctttt	tcctgtgtcc	tgtaaatagt	aggactttta	aagtttagaa	acaaggcttt	3180
tattaaagg	ttagaaataa	gacctttatt	ccagtttagat	taattttttt	gtcatctttg	3240
ccattgtgta	ttaaagaaat	taggcctctt	caatgggttt	ttaatcttat	tagttttttc	3300
ctatttgaaa	cttacttttag	ttgatttaat	tttgatgatg	gtttataaat	accgcatttc	3360
tgtatagaga	attcacgggt	ttcacctcat	cccttttttt	cagtatgtgc	aacgtataga	3420
gaaacagttt	cttttgtagt	cctactggat	aggcttagga	attttgtctt	ctgttgggct	3480
tgggaacagg	ctgcacacct	ttctgcttta	tctggtaaga	ataattttat	tttaataaag	3540
aaaaatgata	tttcctatct	ttttattggg	gcttttatgt	cagaagtaaa	aattctaaga	3600
tttgttttta	ttacctttgt	gttttgtaag	cattctgac	ctccaatcag	tgcttttaag	3660
ttgacttaga	gttctgtttt	gtttttcctt	taggggttagt	atttaaaaaag	caaagagaaa	3720
accccagtta	agcaaataag	gttggtttatt	taaattagtt	tagcgtggaa	ggtttttctt	3780
ttctttctag	atttaattgc	ttaagcaatt	gttatattta	taaatgaagt	ccatttaaat	3840
atgcaaaatt	ccatgtgaga	aatgtcttcc	cttacatcct	ctaacatcat	ttacatactt	3900
ggatattttat	tttggtattc	ttgttgaatg	taattgatgg	agtattaaca	tgtagaacta	3960
aatgctttct	tgagtccttt	gaaccaaagt	ataaaaagtg	ccccttctgg	gctgggcgtg	4020
gtggctcacg	cctgtaatcc	cagcactttg	ggaggccaag	gcgggcagat	catgaggctc	4080
ggagatcgag	accatcctgg	ctaacatggt	gaaaccctgt	ctctactaaa	aatacaaaaa	4140
attagccgga	cgtgggtggc	ggtgcctgta	gtccacata	ctcaggatgc	tgaggcagga	4200
gaatggcctg	aaccgaggag	gcggagcttc	cagtgaagtg	agatggcgcc	actgcactcc	4260
agcctgggag	acagagcaag	actctgtctc	aaaaaaaaaa	aaaaaaaaaa	aagtgccctc	4320
tctgaaaaat	attcttttac	tagtggaat	aagagagaat	ggccagggtg	agtggctcac	4380
acctgtaatc	ccagcacttt	gggaggccga	ggcaggccga	tcacaagggt	aggagatcga	4440
gaccatcctg	gctaacatgg	tgaaccccc	tctctactaa	atatacaaaa	aaaatcagcc	4500
gagcttagtg	gcaggcgcct	gtagtcccag	ctactcggga	ggctgaggca	ggagagtgat	4560
gtgaacctgg	gaggtggagc	ttgcagttag	ccgagatcac	gccactgcac	tccaacctgg	4620
gcgacagagc	aagactccgt	ctcaaaaaaa	aaaaaagaaa	aagaaaaaga	aataagag	4678

&lt;210&gt; 12774

&lt;211&gt; 280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12774

cccagcactt	tgggaggccg	aggcggggcg	atcacgaggt	caggagatcg	aggccatccc	60
ggctaaaacg	gtgaaacccc	gtctctacta	aaaatacaaa	aaaattagcc	gggcgtagtg	120
gcggggcgct	gtagtccag	ctacttgagg	ggctgaggca	ggagaatggc	gtgaacctgg	180
gaggcggagc	ttgcagttag	ccgagatccc	gccactgcac	tccagcctgg	gcgacagagc	240
gagactccgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaatagg			280

&lt;210&gt; 12775

&lt;211&gt; 190

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12775

atcactgggc	gtagtggcgg	gcgcctgtag	tccagctac	ttgggaggct	gaggcaggag	60
aatggcgtga	acccgggagg	cggagcttgc	agtgaaccga	gatcccgcca	ctgcactcca	120
gcctgggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaagaaa						190

<210> 12776  
 <211> 2364  
 <212> DNA  
 <213> Homo sapiens

<400> 12776

ctcactcctg	taatcccagc	acttttgggag	gccgaggcg	gcggatcacg	aggtcaggag	60
atcgagacca	tcctgggctaa	cacgggtgaaa	ccccgtctct	actaaaaata	caaaaaaaaaa	120
attagccggg	cgtggtagcg	ggcgctgtgta	gtcccagcta	ctcgggaggc	tgaggcagga	180
gaatggcgtg	aacctgggag	gcggagcttg	cagtgcgagc	agatcgcgcc	actgcactcc	240
agcctgggag	acagagcgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	aaaagaataa	300
agtataagag	aacatgagtg	aatgcctgtc	atcttttttt	ttttttcttc	aaaaacaggg	360
tctcactttg	tcacccaggc	tgcagtgcag	tggcgcaatc	atgggtcact	gcaacctcta	420
gcacctgggc	tcaagagctc	aagaggctct	accaactcag	cctcccaagg	agctgggact	480
acaggtgcat	gccaccacac	cctaaggtaa	atttttgtgt	ttttatagag	acaggtttta	540
ccatgttgcc	caggctgttc	tgaactcct	gggcttaagg	gacgaccca	cctccatctc	600
ccaaggcact	gggattatag	gcatgagcca	ccgcgcctgg	cctatcatca	tttattcatt	660
tattcatcta	tgcaaaaaata	ttctttgagt	gcctaattgc	taagcaatgg	gacaagcact	720
ggcaagtcac	actggcaaaa	tatcatcccc	ccactcaagg	agcttatagg	tcagctgggg	780
agacaaagaa	gaacatgggc	ccttgtaatg	agctaagtat	gggtgtaggg	gaaatatcca	840
taagttatgg	gaaccagag	gaattcattc	atttattcgt	ttagtaaata	tttatgtgcc	900
aaactccttg	gacccaatgg	tgacctaaag	agacaagaca	catccaccta	cagtgtttac	960
agagtagtgt	gggagacaga	cattaatgaa	atgctcttac	agacctatca	ttacctattg	1020
tcatatgagt	tatgaaagaa	aaataacagg	ccgggcatga	tggctcacgc	ctgtaatccc	1080
agcactttgg	gagaccaagg	caggtggatc	acttgaggtc	aggagttcaa	gaccagcctg	1140
gccaacatga	tgaaccccca	tctctactaa	aaatacaaaa	aaaaaaaaat	tatctgggca	1200
tgggtggcagg	cagctgtaat	cccagctact	cgggaggctg	aggcaggaaa	ctcgcttgaa	1260
cctgggaggc	agagggttgca	ctgagctgag	attgcaccac	tgcactccag	cctgggtgac	1320
agagcaagac	tctgtcaaaa	aaaaaaaaaa	aaaagaaagg	aaggaaagga	aggaaggaag	1380
gaaggaagga	aatagagtgt	aagagggggg	cctagtgtag	tctaagatga	ctcaggagaa	1440
gctgtttgag	ctgatgcctg	aagacggggt	gcatgtaagt	agttgagtag	gtaaaagaga	1500
gggtgtactat	catatcaggg	attcggggaga	aaaaaaaaaga	gagagagaga	ggggaagagt	1560
gctgtggacc	cattgagctc	cagcccagct	ccaactctgt	gggtcaggaa	agactttcca	1620
gcatctaagc	tgagtccaga	aggatgagta	ggagtgcagg	agctgaggag	gagctggggt	1680
ggaaggaaaag	cattccagag	cagcagatag	cttgtgcaaa	ggcacacagg	cagctgggtg	1740
tgggtggctca	cacctgtaat	cccagcactg	tgggaggcca	agatgggtgg	accgtttgag	1800
cccaggaatt	caagaccaac	ctggatgaca	tagtgaaacc	ctgtctctac	caaaaaaaaaa	1860
aaaaaaaaaa	ttgaaaaaaaa	aaaagaagct	gggcatgggtg	gcgtgcacct	gtgggtcccag	1920
ctaccaggga	aactgagggtg	ggagggaagt	cgaggctgta	gtgaaccatg	gtggcaccat	1980
tgcattccag	cccgggtgac	agagcaagcg	cctgtacaaa	aaaaaaaaaa	aaaaaagcat	2040
ggaggcaaca	gaacatagtg	gattggaagg	aaaaacaagt	ggttcagacc	aggtgcagtg	2100
gctcatgcct	gtaatccag	cactttggga	ggccgaggcg	ggcagatcac	gaggtcagga	2160
gatcaagacc	atcctcgcta	acacagtga	accccgctctc	tactaaaaat	acaaaaaaat	2220
tagccaggcg	tgggtggtg	tgccctgtagt	cccagctact	caagaggctg	aggcaggaga	2280
atggcggtgaa	cctgggaggc	agagcttgca	gtgagcggag	atcatgccac	tgcactccag	2340
cctgggagcag	agagcaagac	tcca				2364

<210> 12777  
 <211> 1716  
 <212> DNA  
 <213> Homo sapiens

<400> 12777

cctcatcccc	ttttttcagt	atgtgcaacg	tatagagaaa	cagtttcttt	tgtatgccta	60
ctggataggc	ttaggaattt	tgtcttctgt	tgggcttgga	acagggctgc	acacctttct	120
gctttatctg	gtaagaataa	ttttatttta	ataagcaaaa	atgatatttc	ctatcttttt	180
attgggtgctt	ttatgtcaga	agtaaaaatt	ctaagatttg	ttttaattac	ctttgtgttt	240
tgtaagcatt	ctgatcctcc	aatcagtgct	ttaagtttga	cttagagttc	tgttttgttt	300

ttccttttagg	gtagtagtattt	aaaaagcaaa	gagaaaaaccc	cagttaagca	aataagggttg	360
tttattttaaa	ttagtttagc	gtggaagggtt	tttcttttct	ttctagattt	aattgcttaa	420
gcaattgtta	ttttaataaa	tgaagtccat	ttaaatatgc	aaaattccat	gtgagaaatg	480
tcttccctta	catcctctaa	catcattttac	atacttggat	atttattttg	gtattcttgt	540
tgaatgtaat	tgatggagta	ttaacatgta	gaactaaacg	ctttcttgag	tcctttgaac	600
caaagtataa	aaagtgcctc	ttctgggctg	ggcgtgggtg	ctcacgcctg	taatcccagc	660
actttgggag	gccaaggcgg	gcagatcatg	aggtctggag	atcgagacca	tcctggctaa	720
catggtgaaa	ccctgtctct	actaaaaata	caaaaaatta	gccggacgtg	gtggcgggtg	780
cctgtagtcc	cacatactca	ggatgctgag	gcaggagaat	ggcctgaacc	cgggaggcgg	840
agcttccagt	gagtggagat	ggcgccactg	cactccagcc	tgggcgacag	agcaagactc	900
tgtctcaaaa	aaaaaaaaaa	aaaaaaagtg	ccccttctga	aaaatattct	tttactagt	960
gaaataagag	agaatggcca	ggcgcagtg	ctcacacctg	taatcccagc	actttgggag	1020
gccgaggcag	gcggatcaca	aggtcaggag	atcgagacca	tcctggctaa	catggtgaaa	1080
ccccgtctct	actaaatata	caaaaaaaat	cagccgagct	tagtggcggg	cgctgtagt	1140
cccagctact	tgggaggctg	aggcaggaga	atggcgtgaa	cccgaggagg	ggagcttgca	1200
gtgagccgag	atttgcgcca	ctgcacacca	gcctgggcga	cagagcaaga	ctccgtctga	1260
aaaaaaagaa	agaaagaaaa	ggggctgatg	cccgctgcacc	cacagaaggc	cctggctcct	1320
ggccctccca	gcccttctac	ctgaaacctg	acaataggta	caacagaaaa	acttggatta	1380
gagaatcaat	atgtcatgga	ggctcatccc	cttttctctt	atctccatgc	atttgctcat	1440
aatctattct	ttttctttct	ttctttcttt	tttttagaga	caaggtctca	ctatgttgcc	1500
caggctggtc	tcgaactcct	gaactaaagc	aatttccttc	ccctccactc	agcccccttt	1560
cctttctgatg	agttttccaaa	ttatgtattc	cctgctcaag	aatagcagac	aggctcatgc	1620
ctgtaatccc	agcatttttg	gaggccaaag	tgggcgggtc	acctgagggtc	aggagttcaa	1680
gaccagcctg	accaccatgg	tgaaacctcg	tctcta			1716

<210> 12778  
 <211> 640  
 <212> DNA  
 <213> Homo sapiens

<400> 12778	gggatgaaaa	aggacaaata	tgacagaaat	tttagaagta	caatcaagag	tgtggtacgt	60
tattatggag	gaagaaggaa	tgaaagataa	ctcttgatt	tccttttggt	ttgttttaat		120
atattttatg	tgtatttaag	gtatataaca	tgatgttata	agatataaat	atatatagta		180
aaatggttac	tattgtggaa	aaaattaaca	tattctttat	ctcatgtagt	taccattttt		240
tacgttttta	ctctcatgg	caagaacagc	tataatttac	tagtttagca	aaaactctga		300
atacaacaca	ttgttattaa	ctatagtcct	catagtgtat	gtagagtaca	ttggatcttt		360
tgacttggtc	tgccctgtata	tttgctactt	tgtatccttt	gatctacatc	tcctcccatc		420
tctatctcta	taaatgagat	cttgcaacat	ttttctgtgt	agttactggt	tttttactga		480
gtgactgggt	agattttgat	gccattaaat	gtatagaaaa	cagttatttg	ttcacttggt		540
cacatttatt	acatattatg	tgaagtatg	tgaagagaga	aatttaaagg	tatactgtaa		600
ttatgctgca	agttaaatga	gacccctact	ttatccagg				640

<210> 12779  
 <211> 11821  
 <212> DNA  
 <213> Homo sapiens

<400> 12779	aaggccaggc	acgggtggctc	acgcctgtaa	tcccagcact	tagggaggcc	gaggtggg	60
gacacagagg	tcaggagatc	gagaccatcc	tggctaacac	ggtgaaaccc	cgtctgtact		120
aaaaaataca	aaaaattagc	caggcggtgt	ggcgggcgct	tgtagtccca	gatacttggg		180
aggctaaggc	aggagaatgg	catgaaccca	ggaggcggag	cttgacagtga	gccgagatcg		240
cgccactgca	ctccagcctg	ggcgacagag	cgagactcca	tctcaaaaaa	aaataaataa		300
taataataat	aataataaac	agctttttaca	aattaggaag	tctaacttta	ctgacttcat		360
acccttggtg	agattatttc	aatccagggt	gcctctttta	tagttatgta	aaggaaatga		420
gctgatccca	tataatacca	tagaagtgat	gaaaggacaa	ataacagtat	gaaatacatc		480
atgctcttca	gaagaaaggc	cctatgtaaa	ctaaaatgta	ttatgagatg	cctttcacag		540
gttaaagaac	acaaaatcac	tttagtatct	tctggttaga	aagactccaa	gattagcaag		600



caagagacag	gaacttaaag	aactgtagtt	tgacaagttt	ttgcttggct	agtgtgaaa	660
aactatttta	aattctgtac	ctttctggaa	tcagaaatct	ttccttagct	tctcatttac	720
agatatccat	cctatatgcc	aattctccaa	cgggcaattg	agctctggta	ccatgatcca	780
gcctgtacta	cacctgtact	caagttgatg	gctgaattgg	ttcataatag	gtaagcagga	840
ggcagagctt	gcaagggcac	atctgccctg	ttatctgaga	gaatttgctg	tatctagtgc	900
tttgggcaga	ttgtgggaaa	taataagatt	cactactgca	ttttaaaatt	cgaaaagttt	960
ttgtgttttt	gtttgtgtga	aagaatagta	ttcctaacta	cacaaaacca	tagtcaactg	1020
caggaaataa	gtcacttttt	ttggtttggt	tgtcttgttt	tttttgaggc	ggtgtcttgc	1080
tgtctccag	gctggagtgc	agtggcacag	tctcggctca	ctgcaagctc	catccccctg	1140
ggttcacgcc	attccccctgc	ctcagcctcc	ggagttagctg	ggactacagg	cacccgccac	1200
cacaccgggc	cgattttttg	tatttttagt	agagacaggg	tttcaccatg	ttagccagga	1260
tggctctgat	ctcctgacct	cgtgatccgc	gtgcctcggc	ctcccaaagt	gctgggatta	1320
caggcgtgag	ccactgcgcc	catctaataa	gtcactttta	aaaagagtct	ccagtggggc	1380
atggtggctc	atgcctgtaa	tcctagcttc	ttgggaggcc	gaagtgggca	gattgcgtga	1440
atgcagtagt	tctagatcag	cctgggcaac	atggtgaaac	ccacctctac	aaaaaattag	1500
ctgggcattg	tggcacacaa	ctgtagtccc	agctactcag	gaggctgagg	taggaagatt	1560
gctttagcct	gggaggcaga	ggttgcatg	agccaagatt	atgccattac	actccagcct	1620
gggtgacaga	gcaagaccct	gtctcaaaaa	agtaaaataa	aaagaatctc	cagatgtcta	1680
ctcttaggag	aagtaaattt	ggcaaccaag	attctgattt	cctgcccaca	gataagaaat	1740
taacatctgg	taatggtgcc	ttgtccatca	catttcatgg	ttagagacat	tgagaaggat	1800
atgatagata	ttagaatacc	ctttcttaag	aaaggatatt	attagagagg	ttgtggcagg	1860
atcaataaaa	atttactttt	aaaaagtgag	caagattttc	aaaacaattt	aaggacagtg	1920
aaaaagaaaa	gtctagcacc	ttagcttttc	tagaatttca	ggtatgggca	ttggtctctc	1980
atggcggctc	tgagagaatt	agtaaggttt	tttttcttta	tttttatttt	atttatttat	2040
ttagttagtt	atgtttgatt	cggagtcttc	ctcttgcgc	caggctgaag	tacagtggcg	2100
cagtcttggc	tactgcaac	ttaacgcctc	ctgggttcaa	gcgattctcc	tgccctcagc	2160
tcccacatag	ctgggattac	agacatgcgc	caccacgccc	ggctaatttt	ctatttttag	2220
tagagacggg	gtttctccgt	gttggtcagt	ctggcttga	actcccgact	tgagggtgatc	2280
cgcccaactt	agcctcccag	agtgttggga	ttgcaggcgt	gagccaccag	gcctagcaga	2340
attaataagt	tttaaaacaa	ccttatggag	tgggtaatat	ttaaagaggc	tataacctcc	2400
caggagactt	atattcaaga	gttactcatt	tataaaatag	atacttgaga	gcacttactc	2460
tttgccaaac	tttcttagcc	actatgccag	acaaaatctc	taccctcttt	gatgttacia	2520
atggtgggga	agacacacaa	taaaaacaag	tatggaagat	ctttccagt	attaagtgcc	2580
atgaaacaaa	ataaaacaag	gcagtataat	agagggaat	tgaaggacag	gagggtcagg	2640
gaagacctct	cagagaagg	aatattaact	aggatctaaa	tgacaagaaa	gattctggta	2700
gccctgcaaa	gataaggagt	cttctaataa	gaaaacatct	gcacgagtcc	tgagatagga	2760
caggcttgct	gggacttggt	gcaggagcct	ggttggtggg	gggaggctgt	gggagcagg	2820
cagaccagt	agcagagcca	gatcatctag	tgccttcgca	cagcagtagt	gaggagtggg	2880
catttattct	cattgctgtg	ggaagccgct	agagtgtttt	cagcaaagga	ttaaaatgat	2940
ctcatttaag	ttttttaaag	gctaccatgt	gaagaatggg	actaaaggca	ggtaagagta	3000
gaagcagaga	gaatgtaagg	gaaaggtgga	tttgggggtt	attttagagt	tagatgttga	3060
tggattcagt	gtggtggggg	ggaggaagga	ggaaggactc	ctgggctttt	gaggtcttac	3120
caacttgaat	ctaataaagc	tcatcaaaat	gtggagcaga	caaaagagtc	aggaacttaa	3180
aaccaagatg	gttacaaatg	gccttctctg	tctggcttct	tttggaccat	tccaagtccc	3240
tatgcatctt	ttcttcatat	aaaatggtaa	caatgctttg	gcccctctcc	ctcagttgcc	3300
actgaagcca	taaaggtcca	tgccaactaa	tggctgaagg	gctctgcatt	agtatcaaga	3360
ggcgacgggt	agaaagtata	ctttaatcaa	ggccggggcac	ggtggctcac	gcctgtaatc	3420
ccagcacttt	gggaggctga	ggcggggcga	tcacgaggtc	aggagatcga	gaccatcctg	3480
gctaacatgg	tgaaatccca	tctccactaa	aaatacaaaa	aattagctgg	gcgtgggtggc	3540
gggcacctgt	agtcccagct	acttgggagg	ctgaagcagg	agaatggtgt	gaacccgaga	3600
ggcagagggt	gcagtgagcc	gaaattgcgc	caccgcactc	tagcctgggc	gacagagtaa	3660
gactccatct	caaaaaaaag	aaagtatact	ttaatcaaat	aaaattgaga	attttcaaat	3720
agtaatttta	tctactgctg	cttttttttt	cttataaatg	tttttaattt	gagcagcaga	3780
atctgaatct	agcatgttgg	tcttcaatat	agaagctact	tcatggttaa	atatctataa	3840
cttggttatt	ctcatattag	gataggcaat	tgtttacctt	aatgtaaatg	caggatcacc	3900
caaggtactc	agatgagagc	ctcaagtacc	ccagtcttcc	aagaaaacac	ctctgacttt	3960
ttctctctct	gtgctctctg	ctcaggtccc	agcgactcca	gtttgatgtc	tcttccccca	4020
atggcatctt	actcttccga	gaaaccagca	agatgataac	aatgtatggg	aagtgtttca	4080
gataatcatg	cctctagaag	ttaattccag	ctcagtcacc	acactgtaag	cagcatgtgg	4140
gtctctggcc	agtctctggc	ggagccagga	cagcatctgt	attgtatgct	aatacatgtg	4200
cattagagt	ccacctgtca	ccaggggcct	actggaattt	gtatgccttt	ggagtaggaa	4260

ggctgatcta	aacgagcgc	tctaattgtg	ttgaataaac	atatatgaca	tgtctactca	4320
ggcaatcgca	tcttgacact	aggagaggtc	ccaaaggatc	aggtctatgc	tctgaagctc	4380
aagggcatct	ccatctgctt	ctccatgctg	aaggctgctc	tcagtgggag	ttacgtcaat	4440
ttcggagtct	ttcgtctcta	tggagacgat	gccctggaca	atgctctgca	gaccttcatc	4500
aagctgctcc	tctctattcc	tcacagtgat	ctcttggtaa	gccttacgct	gcattgccac	4560
aatcttgctc	ctcatcacat	tcagcctttt	tcacctgaga	ccaagattga	acactgctct	4620
tgagaaacta	tgtaagctag	ctccttttgc	tctaactaag	tcttctgttt	ttccacctaa	4680
aaggagctaa	gctattttaag	atcgtctccc	tgcagtctgg	agtgcatagt	gcctaagctg	4740
attttcttcc	tcttctcttc	ccacaggatt	accccaagct	cagccagtct	tattattcac	4800
tactggaagt	cctgaccag	gaccatatga	actttattgc	aagcctggaa	cctcacgtca	4860
tcatgtatat	tctctcttcc	atttctgaag	gacttactgc	acttggttaag	cacctgaggt	4920
gggtgggtga	ggtgggtggg	ttgtttttta	ccacttaact	aaacagaaaag	agagaatctt	4980
gccccagtg	ccaaaaagat	caccactgcc	ttggggggtt	ggccataaca	atagagtata	5040
taatgcacag	cacatgctta	tccagcacac	actcactgat	tcccttccta	agtacaaggc	5100
cctgtggaag	cactgaggat	acggtaatta	acagcatata	gtccctgtcc	ttaaggggct	5160
tatctggtgg	gtagaacaga	cacatgaaca	aacaactgcc	tgttttaccat	acttaccact	5220
taaacattac	aataggggtg	agtacaaagt	gctacacaag	ccctcaagaa	tacctagact	5280
cttggttgtg	aggaagtcag	gatcaaggaa	gactggctgg	aagacttggc	atcaaagcat	5340
aaacctaata	gctggacaga	tgttaccctg	gtaggaccag	gagggttcct	agcagcagag	5400
acagcaagca	cttgacactg	taggcaagaa	agaaccagga	aatccagatg	gctggcacac	5460
tagtccagag	gagttaggaa	tgaaatgaag	ctttagagat	aagcaggagc	aaatctggag	5520
atcatgaagg	gggcccgcct	gtaagccgta	ttaggctgtt	tgaattctgt	cctgagggcc	5580
gtggaagctg	gggaaagggt	tcatgcagct	agctccataa	gttttttcat	cctagtccat	5640
atggtttctg	tcaaccattt	tgtttctagg	ctaccttcca	acaatttttt	tttttttttt	5700
tttgagacgg	agtcgctctg	tcgcccaggc	tggagtgcag	tgggcgcatc	tcagctcact	5760
gcaacctctg	cctcccgggt	tcatgccatt	cttctgcctc	agcctcccaa	gtagctggga	5820
ctataggcgc	ccgccaccat	gcctggctaa	tttttttgta	tttttagtag	agacggaggt	5880
tcactgtgtt	agccaggata	gtctcaatct	cctgacctca	tgatccgcct	ggcttggcct	5940
cccaaatac	tggtgattaca	ggcatgagcc	accgtgcctg	gcccacaacat	cttagtaggt	6000
atatgtgttc	agagaataaaa	acacattttt	atattaggct	gagcaaaaaca	taagtaggag	6060
gattaagtca	actgccaaat	agtgatgata	tggtgcaaat	acacttttgg	attgtcaact	6120
gtggtgaatt	atccatgcct	ctgtgcgact	ttgatacaca	tttacttcta	tcagtctatc	6180
aggggtgcata	gccgtatcta	gtacagttcca	atcaagggtat	cagcccttgc	tttggaagac	6240
tttttttatgt	cttattgaaa	atacagggtac	ctggccgggc	gtgggtggctc	atcccagcac	6300
tttggggaggc	tgaggcgggc	agatcacaaag	gtcaggagct	cgagaccagc	ctggccaata	6360
tggtcaaaacc	ctgtctctgt	acaaaaatta	gctcggcgctg	gtgggtgtgtg	cctgtagtcc	6420
cagctactct	ggaggctgag	gcagaagaat	cacttgaacc	cggtgaagtag	aagctgtggg	6480
gagccgagat	cgtgccactt	ctgcactcca	gcccggggcga	cagaacgaga	ctccgtatca	6540
aaaaaaaaaa	aaagaaagaa	aaagcaagta	gagggagcgtt	tgcataaaact	atcagtcctcg	6600
taggaatcag	agacttggtt	actcttttaa	gggttcagcc	cctttgtcct	ttggccttac	6660
ctcatcagag	ttctgtccac	aggttggtgt	gtactgttcc	ctttgtaaag	acgcatagat	6720
gagtctgcag	ctccccccag	agatgctttg	gagataaaca	gataatacag	cataccgtgt	6780
tctaacaac	cataaacatt	cagggggtac	gtcattctgtg	gtttaattac	atcccactgg	6840
taactcagag	cataggctca	taccccaggc	ttcttggtatt	ctaatacacag	ctcctgcaat	6900
tactagcagt	tgatccttag	gccgatacat	aacctctcct	aattctgggt	tcctcatttg	6960
taaaacagaa	aacctaatc	ctgagttctt	gagaggataa	attagagata	acacctataa	7020
agtacttagc	acaacatctg	gcacaaaaga	agcacttgct	gaatcaaaact	atttgttatt	7080
ttgtgtgagg	cagaagatgt	acgtacatcc	acaacacatt	gagccgataa	tttcagtatt	7140
ctttattacc	acatactcac	tttcaaacct	agaaattgag	ccctactgta	caatgaggtt	7200
aagagggttaa	caggagtcac	cttgagcaac	cgcttgggtt	gaattggcca	cggtacccta	7260
atggatctca	cccaaagata	gtccatattt	gtccaggcca	ccatcagcag	ctctgtccta	7320
cccctgcctt	tctttcttgc	agacaccatg	gtatgcacag	gctgctgctc	ctgcctggac	7380
cacattgtga	catacctctt	caagcagctg	tcacgtagca	ccaagaagag	gaccacaccc	7440
ctgaaccagg	agagcgaccg	ctttctgcac	atcatgcagc	agcatccaga	gatgatccag	7500
caggtaaaga	agtggaggct	taggaggcag	tgatgggggtg	tccgacagag	gaaggacctc	7560
tgcaagacag	gggagccac	acacgattaa	catgacatct	catcagggtt	ctgctgctga	7620
gatgaagtcc	gtgtcttaaa	gttgagctgg	attttgagtt	tgccaagtaa	tactgggatg	7680
tagaaaacgc	tcaggttctg	gattattctt	ctgagtgtca	cagtgatccc	tatgccctgg	7740
acctgtctca	tgatcactat	cctctttctg	tgaaaattac	tttgetcacc	cactgctata	7800
aatagagcag	gagttagcag	catccagctt	tctaaaggct	tgtgttctctg	tttacaacaa	7860
aggaagaaga	atgcaagaca	gaaggaaata	actggccaca	gagagatcaa	accatatgct	7920

tgcccttatt	ttatttgtat	gtgccttgaa	gtaacttaca	gaaatacatg	ctagatgaaa	7980
atagataagg	aaatgggagc	agtaattatt	gagatttttag	ccagtcttac	ctttgtccac	8040
accgttctct	aaagaagcag	tgaataaatt	caggactcca	ttacattcac	aagatgtcat	8100
aaagctgtca	actccgagta	cctggaaggg	atcatgcaag	gtggttttgc	ttactgtaat	8160
tttgtttacg	tgaccccatc	ccattcccca	caactcaggg	tgacctggaa	agatccattg	8220
gtaagtgaag	ttcaaaccaa	ttttaagaac	aagaaaggaa	atgaatatct	tagaagaaaa	8280
ggtaaccttg	aaatagaaga	ctcagatgaa	gcttcacaaa	ctatttgtct	gattttaccct	8340
atacagaaaa	ggccttcagc	ctaataatac	cctgtatttg	gaatctgtcg	ttttatcttg	8400
ggtagcaata	cattaggtca	ctgcctgaaa	ttctccattc	cattttcaga	tgctgtccac	8460
ggtgctgaac	atcatcatct	ttgaagactg	taggaaccag	tggtctatgt	cccgacct	8520
acttggttg	atattgctta	atgaaaaggt	gagagagcca	gctccctggg	gccaacccag	8580
aagcagtggc	aaccacgcac	ttggtatcac	caagccctgg	gagaaatgtg	tatagaaaca	8640
ccccacggtg	gtgaaacagg	gaaaatgggt	catttactga	gcaagtccca	tttgtgcttt	8700
cagtatcaca	taatcattta	actgttagaa	gtcagcatgt	gtggtagctc	acagacacag	8760
gataaaggag	tgtttccctt	aggcagtaag	agaaaacctt	caaggaaata	atgtacctgg	8820
gtatcagagg	acctaagacc	taagttctag	ttctagctct	gctataaaca	agtcttgaga	8880
ttctggtaaa	agaaaggtct	ggataagatg	acccttttaa	agtgtcttac	aatttaaaaa	8940
ttcttgatat	tcttagtagg	atgaagccat	attatcccac	aagtgtctgc	ctgaatttct	9000
tttttaaggg	tccaatttta	gtagacattc	cattcctcct	tagagaagaa	cattcttcaa	9060
ccctgcagat	gacggagggc	taatctgcct	tcccctgctt	ctctaacctt	ctgttccact	9120
ccttgcccca	cagtattttt	ctgacctaa	aaacagtatt	gtgaacagcc	agccaccgga	9180
gaagcagcag	gccatgcacc	tgtgttttga	gaacctgatg	gaaggcatcg	agcgaaatct	9240
tcttacgaaa	aacagagaca	ggtgagtata	aagcgtcctg	cctagaaatc	tcagacaatt	9300
gctatttttc	aaatcaacga	aacaggcagt	tgcttttaaag	tctttgacat	ctgtgttttg	9360
aggccatcta	aagcaattgca	atgcaataga	aaagtgaagg	atgttaaaca	ggcaaaattc	9420
attttaataa	tatattttat	ttaaccattt	gtatctaaaa	tattgtatca	gtgtgtaatc	9480
agtattttta	aattgtgggt	tttcacattc	tttttgtact	acatttccaa	aatcctgtgt	9540
actttacatt	taacagcata	tctcagttca	tacgttttca	tcagaaatac	ttgatctgta	9600
tttagatttc	ataaattttac	agttgacaaa	gtagattcct	gtaataccca	gattgtttca	9660
aacacaccta	gggactttcc	agtaactgca	ttgagtatct	gggctttgca	attaactttt	9720
aaattttatt	taattttaat	taattttaaaa	caaggcattt	taattttaaaa	ttaagatgca	9780
gttggggagc	tgaatgttaa	attgtattta	atttggattc	atgttctcag	tcacactggc	9840
cataattcag	gggcacggtg	gccatatgtg	gttagcagcc	gccctattgg	acagcatagc	9900
actgcaccac	ctgggtcttg	tgcaatgaag	aatgagatgg	cttcattggc	ttactgccct	9960
cacgtgtgag	ggcaacttcc	tacttctgtc	agtgaatttt	cttttgtgct	gccatgagcc	10020
caaggtagcc	ctcagggccc	cagatttgac	cagatctcta	agccaacttt	tctcttagag	10080
tcttaagact	gaaattaaact	gatctttgaa	acagaaccca	tcaattcata	cattctactt	10140
cccatgcttt	aaaaaaaaaa	aaaaaaaaag	caaatacctt	tccccccac	tctcctcccc	10200
caaccacatc	gcatectctc	tgcagggttca	cccagaacct	gtcagcattc	cgctcgagaag	10260
tcaacgactc	aatgaagaat	tccacttatg	gcgtgaatag	caatgacatg	atgagctgac	10320
acctccttgg	actctacctg	tacagagcag	cgctccctttg	gtttggccca	gagggggcgaa	10380
caattgcaag	ggagagggcc	tggctgatcc	tggctctttt	ctccaggggt	gtgggggaaaa	10440
tggcaaaggt	caactagctg	cttccccagg	gaataggggt	gtgagtacac	tcactagggg	10500
gcagggcgct	gctgggttct	gggggactgg	gtgggaaggg	tggtggggagg	agataagaga	10560
tacaaactga	gactccagcc	tctcctcctg	gggccaccca	agtgggggaga	acccctagtgt	10620
tcttgccaca	acctgccttg	tataaacatg	tacatttttt	cataacattt	tgaacaaggt	10680
ttatattgac	tcaagtttaa	aaacaaaaag	tgtgactgaa	aaattttttac	agagtctagt	10740
gcaccaatgc	tgatgtgagg	ggttgtgtat	gcgagtgaag	aaaatgtgta	ttctgggtggc	10800
ctgaagcttt	actggacaag	gatgtgtgag	agtgcagaga	tatattttagt	gacacagtag	10860
agaggcaaaa	aaaaagctaa	aattccaaat	gtatattttt	tcgtattgcc	ctgtcctcac	10920
ccagaaatga	tcaatttctg	ttactgtatt	aaccttgtt	attaggaact	ctaagccatg	10980
ccagaacacc	gtccctcccc	ttggaccgtg	tagattctgc	cctgggtccc	tagccccctg	11040
cagtataaaa	taactccagc	taaaagtgtt	tgggtgttct	atctccaccc	tctttcctac	11100
tttgcttacc	ctcatcctca	gacagatgcc	tcttgctttt	aaaagttgga	tttaacgacg	11160
tgttgtaggg	ttcttggtct	gtgtgaaggc	agagaccaga	gagaagggaag	tgagcccact	11220
gctctcctgg	gagcaatgtg	ggtgagtcca	ccagaggccc	tgctgtgtgt	ggccaataaa	11280
ttttagtctt	ccccagccct	cgaggcagtg	tgtgtggatg	tatgcgtgtg	gatattttata	11340
tatgtaccct	gcactcatga	atgtatgaac	tggaggaagt	tactacagtg	gaagggttct	11400
taataacaag	gtctacctag	catgaagtat	ttaacattct	cccatccctt	aaaaaatata	11460
cattttttata	aaatgaaaac	cataataaat	gttttgaata	ttaaaaaaa	taataaccta	11520
cagaggaaaa	ttaatggaga	cagctatttg	ccttgtactt	tttcacaaat	tgttgtgtgt	11580

agttgtacac	atctctagtt	cagctcttgc	ccacgggaca	ctcatcaatt	aggtttttatt	11640
tttattttctt	tcctctaccc	ccagaaacaa	gcctgttaat	tttttttcct	tctcctctgg	11700
cgactgtgtg	atgaatcctt	tcttgctga	tcaggttgcg	gatagacttg	taaggggtgtt	11760
tgctgcatac	agtgtaaagca	ttgtgaccgc	caataaaactt	caatgggtttc	tactgacctg	11820
g						11821

<210> 12780  
 <211> 1542  
 <212> DNA  
 <213> Homo sapiens

<400> 12780						
ctaagaattt	ggctgccaga	ccccaggcct	ggctgctgct	gtgtggagag	ggaggcggcc	60
cgcagcagaa	cagccaccgc	acttccctct	cagcttccct	tggtgcggcc	ctgccctctc	120
ttctctggac	ccttttacia	ctgaacgcac	ctgggcttcg	tggttttcctg	ttttcagcga	180
aatttactct	gagctcccag	ttccatcttc	atccatggcc	acaggccctg	cctacaacgc	240
actagggacg	tcctccctcg	ctgctgctgg	ggagggggcag	gctgctggag	ccgccctctg	300
agttgcccgg	gatggtagtg	cctctgatgc	cagccctggg	ggctgtgggc	tgggggtgcat	360
gggagagctg	ggtgcgagaa	catggcgcct	ccagggggcgc	ggaggagcac	taggggctgg	420
ggcaggaggc	tcctggagcg	ctggattcgt	ggcacagtct	gaggccctga	gagggaaatc	480
catgctttta	agaactaatt	cattgttagg	agatcaatca	ggaattaggg	gccatcttac	540
ctatctcctg	acattcacag	tttaatatag	acttccctgc	tttattccct	cccaggggaga	600
ggctgaagga	atggaattga	aagcaccatt	tggaggggtt	tgctgacaca	gcgggggactg	660
ctcagcactc	cctaaaaaca	caccatggag	gccactgggtg	actgctgggtg	ggcaggctgg	720
ccctgcctgg	gggagtcctg	ggcgatgggc	gctgggggtg	aggtgcagga	gccccaggac	780
ctgcttttca	aaagacttct	gcctgaccag	agctccact	acatgcagtg	gccaggggca	840
gaggggctga	tacatggcct	ttttcagggg	gtgctcctcg	cgggggtggac	ttgggagtgt	900
gcagtgggac	agggggctgc	aggggtcctg	ccaccaccga	gcaccaactt	ggccccctggg	960
gtcctgcctc	atgaatgagg	ccttccccag	ggctggcctg	actgtgctgg	gggctggggt	1020
aacgttttct	caggggaacca	caatgcacga	aagagggaact	gggggttgcta	accaggatgc	1080
tggaacaaca	ggcctcttga	agcccagcca	cagcccagct	gagcatgagg	cccagcccat	1140
agacggcaca	ggccacctgg	cccattccct	ctatcctgga	tgctttgcat	tgctgcttct	1200
cttcacccca	tggaggctat	gtcaccctaa	atgtgttgag	agggattctg		1260
aatgatcaat	atagcttggt	gagacagtgc	cgagatagat	agccatgtct	gccttgggca	1320
cgggagaggg	aagtggcagc	atgcatgctg	tttcttggcc	ttttctgtta	gaataacttg	1380
tgctttccaa	cacactttca	catgtgttgt	aacttggttg	atccaccccc	ttccctgaaa	1440
atcctgggag	gtttttattgc	tgccatttaa	cacagagggc	aatagagggt	ctgaaaggtc	1500
tgtgtcttgt	caaaacaagt	aaacggtgga	actacgacta	aa		1542

<210> 12781  
 <211> 5920  
 <212> DNA  
 <213> Homo sapiens

<400> 12781						
cagacatcac	ggctgcagcc	ctggctacgg	gtgcctgcat	cgtaggaatc	ctctgcctcc	60
ccctcatcct	gctcctgggc	tacaagcaaa	ggcaggcagc	ctccaaccgc	cgtgagtatt	120
cctccctgcc	tgggggtggg	ggacgggtgc	agtgcctg	tcagccccc	agttcagccc	180
ctgggattcg	caaaggcagc	atgcaggcac	aattcctttt	catttgagag	ttgggagcag	240
ctgcacttcc	cgccaggagc	tgggcgaaat	ggccgagaga	aaggaggcat	gccatttccg	300
ggggccaagt	gcccaccagc	ccctttggct	cccaggcagt	gctggctcgg	cactcaatac	360
atgtcttctg	aatgaatgat	catatgcagt	agctcaagtt	gctttataaa	agcaagttgc	420
tgccactcag	agatccttgg	gggacctgtt	taaggatagg	gcgtgcttgt	tttgtaatta	480
gtagcaattg	ttgggacaaa	aaatgatctt	tgggaatatca	gaagtgggaag	gggtcttaca	540
gacaacttag	ctcaaccctt	tctttttcca	gatgagaagg	ctaagatcag	tgggggttaca	600
taactgactg	aatgttacgt	aacttagtaa	gtggcagagc	taggactcaa	tctcagagct	660
ttcaacgcac	gctctttccg	ggaatagaag	tccaccatat	aataaaaaatg	ctctcactta	720
ctcctcattg	caagtccaag	aatttggtcc	taccattgtc	cccattttac	tgatgggcaa	780
acggaggcac	agaggggtta	agtaacttgc	ctaaggaacc	acacagcaaa	taagtgggtg	840

ggctgggctt	taagtcattg	gcacaaacat	ctttcacctc	ccaccctggc	caggtgacag	900
tgcccccttg	ctagttcctg	accctgccct	tgagtcttgg	ttagtctgag	tcctccaaga	960
aggggctagg	gagtttttta	cccttgccct	ccctccctgg	cctcttcccc	tctgcctggc	1020
tacagaggta	actgagaaag	gattgctctg	gtgccagggtg	gcttttggct	cgcaacttat	1080
ttcctgtggc	cggcccttaa	caacttgtea	tccctccctc	ccctcattcc	cgggggcccc	1140
cacgtgaagc	cccatagtgg	gtcactcggg	ggctgtggcc	acctcaccct	tgctttcaga	1200
actcccctat	tcctctccta	gaacacacca	caacctacct	gcaggaatac	ccatggctgg	1260
gggtgggtgg	gggcaggtaa	agggcttggg	acagaagagc	aacgctgggc	agcagggcag	1320
ggggagcagg	tggtgtctgt	ccctccctgg	tggaaggctg	gcccagagag	cctgtctcag	1380
aatgaggcac	tctcaggaaa	aaaagaaaag	gaaagggtcg	ggagccttga	ggacggcagt	1440
ttgctggaga	ggccaacagg	tgtggatttc	catactgctt	tggtactgagc	ctcagtttcc	1500
ccagctctaa	aatgggacca	acaaccctca	ccccaagggg	tggtcacagag	gatgagatga	1560
gggaataccc	gtgtgcacct	gcacgaagcc	tgacccatga	gtcggctgta	agcaatagcc	1620
atggtttgaa	tagatttcag	gaacttttgg	gtaacttccc	tgtgtttgtt	ctgtgtgtgt	1680
gccccctccc	caccatctgt	ttccccatcg	taatcagcag	taaattctct	taaaacgaga	1740
agcatctgtg	ggaggacatg	gggtgctgca	tgaagagggt	aagttggggg	cactgcatct	1800
aattgggtgg	cagtttgggg	gggtgggtgt	cccaaggctg	aggcaagcgg	cagcaacttg	1860
gatgagaagc	agaaagttag	tgaagtggct	gggaagggat	cggggacttg	cacttgttaa	1920
ggtttccctg	agagatgtcc	cctagaatgc	caccctatta	ggcaatgtag	gggataggac	1980
agagaggacc	aggagccctc	taattaggaa	ctgaccttaa	acactcccac	ccagtaagtc	2040
atggctaaag	accagaacct	ggcaaagtgt	caaacaagag	acaccagtta	gcaaattcaa	2100
gagttgacct	ttgctcgata	cttaaatcct	gaaggtctga	cactgtgtaa	gtcaagccat	2160
aggagaaagc	gctggctgcc	tttgggtctc	tgatggcaga	tagcgttctt	acactcctgg	2220
aaaatgcaga	tagagtttca	tttatcagtc	gtcaaaatgg	gccccctcatg	gaggccccat	2280
ctgctggaca	gacacgcaga	tcgcttgctg	gacagcacc	atgtgaaaag	aaatggagtc	2340
cggagctgtg	cagggccctc	ctgggctcgc	tcctgttccc	tgcaaggcat	ctgccagcag	2400
gggcagggat	gttgatggg	gaagccttcc	cttccatgac	cagcttctct	gtctgtctgt	2460
ccctagggtg	ccaggagctg	gtgcggatgg	acaggtaagg	cccatggaga	ccttcttgag	2520
aaaacttctc	gggccggcta	tccaggaaga	gatacttctg	tgcatgagg	gccctgttta	2580
gctgcctaga	gcagctggtc	agaagagcct	ctgccatctg	ctgctgaagc	ctgcacatct	2640
gtgcagattg	gctgttctcc	tgccaccccg	actcagcagg	ctgagctctg	attctgctca	2700
gatgtgtcat	gcaccacact	tcgggtctca	gtggctcagc	tgggccagga	tggggacagg	2760
gaggaagcac	tgtctggggc	agacagttag	acatgcaaag	gaggccagcg	ggcccagccc	2820
cagccacagc	ccttgagctg	tgctctctgc	ccgcagagaa	ctccaaggag	aaagctgtta	2880
ggccgctgca	ggccacaagg	gcagaggctg	aggggtccca	gagtgggtgca	gtgggctggg	2940
tctaggggca	gaggggatgg	ggactgtgta	ttgggtgtgt	ctgggcagga	agctgccatg	3000
cagcctggcc	tggaggggtg	gttcaggga	cccaagttcc	tgccccggta	cctgcaacac	3060
caaacacaaa	gtcctcttag	gtgtttgaaa	gggatgatct	tcaagacagg	ttgaaggaag	3120
tcttgcttgc	aactcatcta	gaatctaaga	gttgcaagg	tcttcagaag	ttatccact	3180
cccaactggg	aagagaagag	aaccctcccc	ctcagctcaa	gacaggcttt	ggggatgttc	3240
gatacctaag	ccatcaactc	tattgaccaa	agagaaactt	gtcccaaat	tcctgaggct	3300
gaagttctag	aagtgtctgt	gatttttggc	ttctggctg	tgccgggggt	tgatggctag	3360
accacagggg	ggagctgggg	tctgttcttg	tgggccctga	tgccctcagc	tcaggacagg	3420
tgggcagggt	cagcccatgg	cctttgctct	gtgggcctgg	ctcctgcctt	cttgcttggg	3480
gatgctgctg	aggcttgggg	atggggatgt	aggtgagaga	aagggaggag	agaaaaactg	3540
ggggcaggga	gggcagaggt	cacgctcccg	acagcacaga	tgaccttcca	ttctggttct	3600
gtggcagcaa	cattcaaggg	attgaaaacc	ccggctttga	agcctcacca	cctgcccagg	3660
ggatacccg	ggccaaagtc	aggcaccccc	tgctctatgt	ggcccagcgg	cagccttctg	3720
agtctgggcg	gcactctgct	tcggagccca	gcacccccct	gtctcctcca	ggccccggag	3780
acgtcttctt	cccatccctg	ggtaagtgtt	tcttgacctt	cacagcacga	tgacctgtaa	3840
ggtcatgacc	tcatggcctg	cagggcatcg	gcctcactcc	ctgccctccc	tgaagagttc	3900
cacggcctca	cgggggtggg	ttgaggggtg	gggacagagg	ggccccatt	cacctccctg	3960
aagagttcca	cggcctcacg	gggtgggggt	gaggggtgag	gacagagggg	ccccatttca	4020
cctccctgaa	gagttccacg	gcctcacggg	gtgggggtga	gggtgaggga	cagaggggcc	4080
cccattcacc	tcctgaaga	gttccacggc	ctcacggggg	gggggtgagg	gtgaggggca	4140
gaggggcccc	gttcaacttt	cttctccttt	tcttgagac	cctgtccctg	actctccaaa	4200
ctttgaggtc	atctagccca	gctgggggac	agtgggctgt	tgtggctggg	tctggggcag	4260
gtgcatttga	gccagggtcg	gctctgtgag	tgacctcctt	ggcctcggcc	ctgggttccct	4320
ccctcctgct	ctgggctcag	atactgtgac	atcccagaag	cccagccctt	caacccctct	4380
ggatgctaca	tggggatgct	ggacgggtca	gcccctgttc	caaggatttt	gggggtgctga	4440
gattctcccc	tagagacctg	aaattcacca	gctacagatg	ccaaatgact	tacatcttaa	4500

gaagtctcag	aacgtccagc	ccttcagcag	ctctcgttct	gagacatgag	ccttgggatg	4560
tggcagcatc	agtgggacaa	gatggacact	gggccaccct	cccaggcacc	agacacaggg	4620
cacggtggag	agactttctc	cccgtggccg	ccttggctcc	cccgttttgc	ccgaggctgc	4680
tcttctgtca	gacttctctt	ttgtaccaca	gtggctctgg	ggccaggcct	gcctgcccac	4740
tggccatcgc	caccttcccc	agctgcctcc	taccagcagt	ttctctgaag	atctgtcaac	4800
aggtaaagtc	aatctggggc	ttccactgcc	tgcattccag	tccccagagc	ttggtgggtc	4860
cgaaacggga	agtacatatt	ggggcatggg	ggcctccgtg	agcaaattgg	gtcttggggc	4920
atctgaggcc	aggacagatg	ttgccccacc	cactggagat	ggtgctgagg	gaggtgggtg	4980
gggccttctg	ggaaggtgag	tggagagggg	cacctgcccc	ccgccctccc	catccccctac	5040
tcccactgct	cagcgcgggc	cattgcaagg	gtgccacaca	atgtcttgtc	caccctggga	5100
cacttctgag	tatgaagcgg	gatgctatta	aaaactacat	ggggaaacag	gtgcaaacc	5160
tggagatgga	ttgtaaagag	cagtttaaat	ctgcactctg	ctgctcctcc	cccacccccca	5220
ccttccactc	catacaatct	gggcctgggtg	gagtcttcgc	ttcagagcca	ttcggccagg	5280
tgcgggtgat	gttccccatct	cctgcttgtg	ggcatgccct	ggctttgttt	ttatacacat	5340
aggcaagggtg	agtcctctgt	ggaattgtga	ttgaaggatt	ttaaagcagg	ggaggagagt	5400
agggggcatc	tctgtacact	ctgggggtaa	aacagggaag	gcagtgcctg	agcatgggga	5460
cagggtgaggt	ggggctgggc	agacccctg	tagcgtttag	caggatgggg	gccccaggta	5520
ctgtggagag	catagtccag	cctgggcatt	tgtctcctag	cagcctacac	tggctctgct	5580
gagctggggc	tgggtgctga	aagccaggat	ttggggctag	gcgggaagat	gttcgccccaa	5640
ttgcttgggg	ggttgggggg	atggaaaagg	ggagcacctc	taggctgcct	ggcagcagtg	5700
agccctgggc	ctgtggctac	agccagggaa	cccacctgg	acacatggcc	ctgcttctaa	5760
gccccccagt	taggccccaaa	ggaatggtcc	actgagggcc	tcttgcctctg	cctgggctgg	5820
gccaggggct	ttgaggagag	ggtaaacata	ggccccgaga	tggggctgac	acctcgagtg	5880
gccagaatat	gccccaaacc	cggcttctcc	cttgtcccta			5920

<210> 12782  
 <211> 17413  
 <212> DNA  
 <213> Homo sapiens

<400> 12782						
agctgaatgg	atgtgaaacc	cctgtgggca	tgtgcttccg	agttcctcag	caggcatttg	60
tgttttttgg	tagaaagttt	gcttttttgg	tttttttttt	ttaagacaag	gtctcattct	120
gtcaccagg	ctagagtaca	gtgggtgat	catagctcac	tgccgtcctt	gaactctcag	180
actcacgtga	gcctcctacc	tcagcctcct	gagtagctga	gactacaggc	gcttgccgcc	240
acccttggt	aatattttta	ttttttgcag	agacaggggt	ctcactacat	tgcccaggct	300
ggtctcaaac	tcctggcctc	gagcaatcct	ctcacagcct	cccaaagtgc	tggtattaca	360
ggcgtgagcc	accacaccta	acaaaagttt	gcttttttatc	taaaatgacc	caggcattgt	420
cactgtactg	ctattttttt	aaaaaaat	tgttgttttg	ttgttgttgt	cgctcgttata	480
tagatgagg	cttcctgtgt	tgcccaggct	ggtttctgac	gcctggcctc	gcctccttat	540
acaccaggag	agcaggactg	agccaccaca	ctaccaca	gcttttatct	cagtgaatga	600
aatgatact	tgcttgagg	cttccccctca	tctacccccca	tgtttctcta	tttattcctc	660
agttaagtgg	gcagaccaac	atccacctca	gcaaaaactt	cttcctgacg	aatcgcgcca	720
gggagcgctc	agacaccttc	atcaacctcc	gggagggtgct	caaccgcttc	aagctgccgc	780
caggagagta	catttctcgtg	ccttccacct	tcgaacccaa	caaggatggg	gatttctgca	840
tccgggtctt	ttctgaaaag	aaagctgact	accagtaggc	ggtttgggtcc	cttccctctcc	900
ccacccttcc	ctgtccctcc	ccactgggtct	gttccctcggc	ccctagaggg	ctcttttcac	960
ctctgaatgt	cagttacttt	ttctgtaaca	cctgcccacc	tcgaaggact	agtgtgggga	1020
tttgatggat	tgaggaaagt	ctagtgttat	agtaaggtaa	acaatggaaa	aagccactgt	1080
ggatattttt	ggttggaaag	gggtggctgt	acagtgaatt	gcagggtcta	atttcataag	1140
cgtgtctctg	aattctcaag	ttggtacttt	aatgtttaa	tacgaatcca	gtctcgctcat	1200
ttgaagaaag	ctgagcagtg	ctgggtgta	ccttgatttt	ccaggccacc	tggcctagca	1260
gagccacca	gggtgtaagg	tgggaaccat	ctcaacgggt	cccacctcca	gaacctctcc	1320
ctattatagt	tgtcatgtca	ccagctctct	ctccccctcc	tcattgggatc	ccacgttttg	1380
gaaccctttg	tggctgacat	caccatttcc	tgccactgtc	cagggtggcct	caattcacaa	1440
tggcttctgc	cactttgact	tctgcctcaa	ccatgtatgt	tcagctgggc	acttgatttg	1500
caaaggcaga	atctaccctg	ggtgatttaa	gctaaaggga	attcatcgaa	aggccatttg	1560
agactccaga	actgatggga	ggtagggggg	caggctagga	agaacaggag	ccaaggatgt	1620
gttgaggag	cagggtgtga	gatgaccct	tggactctgg	gtcatgtgct	gaggtctaaa	1680
gatcttgtgg	agtgtgtctg	aggtgctggg	cttgggtcag	ccacctggcc	tgtgtgttcc	1740

tgtagaggaa	gagccaatgg	gaggtagagg	cagggaaactg	cccttgcccc	aagataatgc	1800
atgatgcaga	aataatttcc	catggcgagg	ggagacaaag	caatgccagg	cagctgcata	1860
ccaatgaatg	ccaccatagc	acggctgtag	ccccctgcc	actgacaggc	tgtcttcatt	1920
tgctaaagcc	taccatgggg	gaagggacct	ttcctctcag	ctctgaggat	gcttagagga	1980
agactgggtg	gttcagttta	gtcctcactg	acaagaaaat	aggagcatga	cctgggtggca	2040
ttagaataac	agtgtccttt	gtcaaactca	ttactctccc	tgccagccac	aagtcactct	2100
cccaggggaag	cctcaacccc	tcaactctct	ctaggggtgag	ctccctaccc	caagaggaca	2160
ccccacctct	caaagggttt	tgacttcctt	gtcccaaaat	attaatcctt	ctgctccaga	2220
ttccaatgat	cagcaccaag	aggtccccct	ttccttctgc	caggcattgg	ccctgctgat	2280
aggactcctg	gtcacttagt	taaaatcaca	gtggcccaag	gaagaacctc	ctgagcttga	2340
ttaccctcac	tatggagcag	aaggacctgg	ccctggacac	aggggcggtg	cacagtataa	2400
actaaccact	gcctgacctg	agctttggct	gaaatgacac	acaggcctct	gcactgccc	2460
cctctccaac	ctgaggcaga	acaagtaggc	gatgatttgc	actgcatgat	tctcagtgtg	2520
aaagtctatg	ttggcaaagg	atatttcaag	tggaaacttag	aagctattcc	ttaaggctag	2580
gacgaacacc	acgctacacg	cgaaggctat	cctattttgat	aaagatcaaa	aactagcaaa	2640
caaaaatctc	cagctgcccc	cgttgctttg	gtcatgaccc	ttccttcaga	tcacttctgc	2700
ctttattttt	gctgttttag	ggatgtgtta	tcacagaaac	ttggaatgca	gagaaatgtt	2760
atcacagaaa	cttggaatgc	agaaaaat	ttgcttttta	ggggagggtg	tatcacagaa	2820
acttggaata	caaagacctc	ccccaccgc	agccctgccc	caccacacct	acccctgct	2880
ggatttagca	ctgcacttcc	attttagcag	tgatttctct	cctttttgccc	ctgcctgccc	2940
ttccagtaac	acataatttc	cttctatttc	cagagctgtc	gatgatgaaa	tcgaggccaa	3000
tcttgaagag	gtattttgtaa	ctctttgaa	ttcaccact	ctgtcctgga	caatccagag	3060
agcagaggag	caaaaaaact	ccaagagttt	ttggacttca	cgaacaaagc	ctgaaactaa	3120
ggataaagcc	gggtactggg	aatccaagag	tcgactacct	gcatcagctc	tggcctctgt	3180
gctgggggca	tgggccagtc	ccttgccatg	tgggctgtgc	tagccactgt	caaaatccat	3240
ccacaacatt	ccagctagtc	tttattcttc	tgagtcccca	ctagaataga	tcctaaaagg	3300
ccattttaat	tggatgctag	agaagatacc	tctgtgagaa	attagaatat	tactccttcc	3360
cacataattt	acattccttc	ttgtgtttta	attagaaaaa	aaaaacctta	tattaattct	3420
tcacactata	cctgatctta	acccaaatca	ccgtagaatt	tgggccccag	ggaggggtag	3480
agaaggggag	tgggagggtg	ctgccatgga	agggcgggca	gacacttggg	gtcatgcctc	3540
gctctgatgc	attctcatgt	ctctgcctca	ccttccagtt	cgacatcagc	gaggatgaca	3600
ttgatgatgg	attcaggaga	ctggttgccc	agttggcagg	agaggtaaat	gttcccaaaa	3660
acgatgttat	gcactctggt	tgatgcaag	gaagagacag	tgtgtgtccc	caaggggact	3720
ttagtttaaa	ggggagagga	aacaaactga	acaaaagcaa	agagaaattg	caaatggcac	3780
ttgggttcca	gctcagccct	ccttgctgtg	tcctccctaa	gacctccgca	tgctgccggg	3840
ggcttccatt	tgcattggtc	gccctgactc	tgtgttctct	cttcccttagg	attcctgggc	3900
tcaccttgtg	actgttttat	tttctctgtt	ctacaccaat	tgaggcatga	aacttggtccc	3960
cttatccttg	atttccacaa	aggattttgga	gagatggaag	ggtttcaagt	ctcaagaatg	4020
caggccacct	gcaacagagt	gtttgaatta	ggcttttctg	ttctcttttc	ttttttcttt	4080
ttttcttttt	agagacaggg	tctctctctg	tcacccaggc	tggagtgcag	tggcatgac	4140
atagctcact	gcagcttcca	cttctctggc	tcaagagatc	ttgccacctt	agtctcccaa	4200
gtagctggga	ctatagggtc	acaccacctg	gtctagctaa	tttttatattt	atttttatatt	4260
ttgtagagat	ggagttttgc	catgttgccc	aggtctctct	ggaactcctg	ggctcaacaa	4320
tcttccaacc	ttgggtctgcc	aaagtgttgg	gattacagat	gcataccacc	atgccagct	4380
aatttttaaa	tttttttttag	agacaggggtc	tcactttgtt	gtccaggctg	gtcttaaacc	4440
cctgagctca	agcagtcctc	ccacctcagc	ctcccaaagt	gctggaatta	cgggtgtgag	4500
ccaccatacc	tggccacttc	cctgttctta	aaaaaatccc	tcagccattt	agtcccatca	4560
caaagttatt	tagccctctt	tcttcccaac	aactccaaaa	aaaaaaaaaa	agtccctctt	4620
cttactatg	tggaggaact	ttccaatcat	tgagctcate	tggtaactccc	ttcgctgacc	4680
taaagaccga	tcaaagtact	aagccaggca	tcgtctgctc	tgcgcctcca	ccggcctctc	4740
accctctgct	ccctcccaga	ttcccaagga	agggggccat	gagagtcttc	tttccctctc	4800
gattgaatcc	cacacataca	caccccaaaa	ggcaaacatg	actgcaatca	atcttggttt	4860
taaacaaagg	agtttatcca	tgagttacac	aaatatgtgt	aagtggatag	agacatctga	4920
gcccatgagg	ggccctggca	tgatgggcat	agaggagggc	cggctagggtc	ttggagacag	4980
ctgggttttca	ccagttttac	aggaagtctg	agctttgagt	tttaaagaat	gaagaaaaca	5040
tgccagataa	gaggaatggt	ataagagaat	taagaaagac	cacaaacatg	ggtagagggg	5100
agtatttatt	atttatattc	tctacagcaa	agaaatgggtg	agtgaactct	ccctactgca	5160
tccgtacatt	aaaacacagt	atctaggctg	ggcacagtgg	ctcacacctg	taatcccagc	5220
actttggggag	gctgaggctg	gaggatcggt	tgagcttagg	agtttgagg	ttcagtgagc	5280
taggatcatt	ccactgcagt	ccagcccagc	ctgggtgttc	taaaaagaac	caaaccaaaa	5340
acactgtatc	taaaatccag	aatggggcag	tactactcaa	agtgtggtct	ggggacagca	5400

gccccaacat	ggctcggggg	cttgtagaa	atgcacattc	ataggcccc	ccgcaggcct	5460
acctaatagca	ctggtgtcct	gccctgtgct	catccagctc	ccacgggggg	ccaataacta	5520
tgctctgggt	atgtgtccac	aggatgcgga	gatctctgcc	tttgagctgc	agaccatcct	5580
gagaaggggt	ctagcaaagc	gtgagtatcc	cctcattgca	aaacctcatc	ctgctctttc	5640
ccctgtggat	gggaggggaa	atggaaatct	ttccccctcc	atgtctggct	gctgtgacta	5700
aaccaccacc	ctccatcccc	tccaagaagt	ggatgaagga	tttgtatgat	gtgatgaaaa	5760
agaacaagt	ttttagcat	ccacagatca	aagatcaa	ccaggtttcc	actacatact	5820
agcttttgt	gatctatttt	tttaatttat	tttattttat	ttttgagaca	gagtctcact	5880
ctgtcgcccc	ggctggagta	aagtggcaca	atctcagctc	actgcaatct	ctacctccca	5940
aattcaagcg	attctcctgc	ctcagcctcc	caagtagctg	gaatcacagg	caagtgccac	6000
cacagccagc	tgacttttgt	attttttagta	aagacagggt	ttcaccatat	tggccaggct	6060
ggtcttgaac	tcctgacctc	aagtgatcca	cctgccttgg	cctcccaaaa	tgctgggatt	6120
acaggcatgc	actaccacat	ccagctaatt	tttgtatttt	cctagagatg	gggtttctcc	6180
atgttggcca	ggctgggtctt	gaacccctgg	cctcaagtga	tctgcccacc	tcggcctccc	6240
aaagtgcctg	gattacagggt	gtgagccacc	gtgcccggcc	acatcttgta	actaactatt	6300
tcttaagcaa	aaaaatgtca	gaggattgat	tggtcaaccc	cttactgtgg	atcaccagca	6360
gggaggagcg	ggaaacacaa	cacagagaca	ttttttcccc	tcaaattatc	aaaagaatca	6420
cgctgcattt	gttaagagag	caactggcaa	tccaggaagc	agagttttga	acatatcaga	6480
agttaggaat	ctgcatcaga	gacaaatgca	gtcatgggtg	tttgctgcat	accagcccta	6540
gggatcatct	cgagaagcct	catggacttc	aaggagacatc	attccctctg	acaagatggc	6600
ctctagccta	actccatgag	ataaaataaa	tctgcctttc	agagccaaag	aagagtccag	6660
ggccagctgg	gtcttccctc	ccagtgtgaa	ccaagagggc	tgggcccagtc	aggttacggt	6720
cagtccagtg	cagggcctcc	ccagaggaga	cccagctctgc	acccgcctct	ctctaatttt	6780
caggggaaggc	aagaagattg	tgtttaccct	ggaggccacc	aggcacaagt	gaggtcacag	6840
agctcttcag	atatgcagtc	ctcatgagct	gaggagacta	aagcctcatt	gtttctgcac	6900
agatggaggg	tggggctggg	aggtggggaa	gaagcgggcc	ttgcctggat	tcagcccgtc	6960
ccttgctggg	ggagcagcat	tcgctccgcg	cgtgcctctg	agcttactac	cctaccctta	7020
gctgcctgct	gactccagcc	ttctggaggg	ctccacacca	gagtctgcat	gcacagctgc	7080
tgggcccagag	ccttatgacc	atctaagggg	ttggtgccc	gagtggcagc	tttgaggcag	7140
gtcaggctct	aacctctttc	ggggacataa	caaaaaggct	gggcttttctg	tgaagtctgt	7200
ggggagccag	gttcacattg	gtgactaggg	aggttctcat	gccacctgcc	aaacaccaag	7260
tggacaggac	tcacttagtg	cagcacaat	agctcgtgga	tcgatcccag	ttcctcaggt	7320
ttctcagtc	gctggggaca	cagtccataa	atgtctgcag	atggacagtt	caagtaaacc	7380
tctttctctc	acgggtcata	gcctagaatt	aacacacctg	ctctctgttt	tctttttccc	7440
tgcccaacaa	ctacaggtga	ctttatatcc	tggtgggcacc	taaggcccaa	ccattgatca	7500
ttctgttatt	tatttgttca	aaaagcactt	tttaaagccc	tgtttgccca	cggcaaatat	7560
acagagacat	caggacaatg	tggacatcat	ctgactgtc	ccagtctggt	agtcactagc	7620
cacatgtggc	tatttaatat	aatggaagtg	gcttctgtat	gtgaagggca	cagataaaga	7680
atatctccat	gattgtggaa	agttcagttg	gacatcacccg	ctcagagatt	tttcctgtca	7740
catgattttt	gtcttttagg	ccaagatatc	aagtcagatg	gcttcagcat	cgagacatgc	7800
aaaattatgg	ttgacatgct	agatgtatcc	tttaattgtc	tccagggaat	agagactggg	7860
ggagttaaaa	atctcactcc	agaaagattc	aaacacatgc	ccttctccct	tttcaaaata	7920
gccagttgtt	cccaacttgc	tgagttgtctg	tcggacagtc	agcagcgtg	acctcccctta	7980
ctaggggaaat	gcgagaaccc	tctgatgagg	gaaagcaaat	gctacacccc	ccctcccacc	8040
taccctgaaa	ggcttagaat	gcaggcccat	ggcgggcggt	ggctcatgcc	tgtaatccca	8100
gcacttttga	aggccaaggt	gggcctcctg	actcacgagg	tcaggagttc	gagaccagcc	8160
tgaccaacat	ggtgaaacct	tgtctctact	aaaaatacaa	aaattagctg	ggtgtggtgg	8220
cgggcacctg	taatcccagc	tactcaggag	gctgaggcag	gagaatcact	tgaacctggg	8280
aggcggaggt	tgagtgagc	tgagatcgcg	ccactgcact	ccagcctggg	tgacagagcg	8340
tgactcatcg	ccaaaaaaaa	aaaaagaaaa	agaattgtagg	cccaccagtc	cattcctggg	8400
gctgggtgcg	gaaattcctg	acaatatgcc	catcacttct	ttgcacaaag	cagctcgaat	8460
ttgtttcctc	agtgatgtgt	ttccattact	tcctctagga	aaatattccc	taaccacagt	8520
atctctgatg	tgaatctgtt	ttgtctgac	aagatcgctg	tcttctttat	ttatttattt	8580
atctattttt	tattattata	ctttaagttt	tagggtagat	gtgcacaatg	tgcagggttag	8640
ttacatatgt	atacatgtgc	catgctgggtg	ctttgcaccc	actaactcgt	catctagcat	8700
taggtatatc	tcccaatgcc	atccctcccc	cctcccccca	ccccacacaa	gtccccagag	8760
tgtagtggtc	cccttccgtg	gtccatgtgt	tctcattgtt	caattcccac	ctatgagtga	8820
gaatatgcgg	tgtttggttt	ttgtttcttg	cgatagttta	ctgagaatga	tgatttccaa	8880
tttcatccat	gtccctacaa	aggacatgaa	ctcatcattt	tttatggctg	catagtattc	8940
catgggtgat	atgagccaca	ttttcttaat	ccagtcctatc	gttggtggac	atctgggttg	9000
gttccaagtc	tttgctattg	tgaataatgc	cgcaataaac	atagctgtgc	atgtgtcttt	9060



atagcagcat	gatttatagt	cctttgggta	tataccagc	aatgggatgg	ctgggtcaaa	9120
tgatatttct	agttctagat	ccctgaggaa	tcgccacact	gacttccaca	atgggtgaac	9180
tagtttacag	tcccaccaac	agtgtaaaag	tgttcctatt	tctccacatc	ctctccagca	9240
cctgtttgtt	cctgactttt	taatgattgc	cattctaact	ggtgtgagat	ggtatctcat	9300
tatggttttg	atttgcattt	ctctgatggc	cagtgatggg	gagcattttt	tcatgtgttt	9360
tttggctgca	taaatgtctt	cttttgagaa	gtgtctgttc	atgtcccttg	cccacttttt	9420
gatgggggtg	tttgtttttt	tcttgtaaat	ttgttggagt	tcattgtaga	ttctggatat	9480
tagccctttg	tcagataagc	aggttgcgaa	aattttctcc	cattttgtag	gttgcctgtt	9540
cactctgatg	gtagtttctt	ttgctgtgca	gaagctcttt	agtttaatta	gatccccatt	9600
gtcaattttg	gcttttgttg	ccattgcttt	tggtgtttta	gacatgaagt	ccttgcccat	9660
gcctatgtcc	tgaatggtaa	tgccataggt	ttcttctagg	gttttgatgg	ttttaggctc	9720
aacgtttaag	tctttaatcc	atcttgaatt	gatttttcta	taagggtgaa	ggaagggatc	9780
cagtttcagc	tttctacata	tggctagcca	gttttcccag	caccatttat	taaatagggg	9840
atcctttccc	cattgcttgt	ttttctcagg	tttatcaaa	atcagatagt	tgtagatacg	9900
gcgttatctt	tgagggtctt	gttctgttcc	attgatctat	atctgttttg	gtaccagtac	9960
catgctgttt	tggttactgt	agccttgtag	tatagtttga	agtcaggtag	tgtgatgcct	10020
ccagctttgt	tcttttggct	caggattgac	ttggcgatgc	gggtctcttt	ttgggtccat	10080
atgaacttta	aagtagtttt	ttccaattct	gtgaagaaag	tcattggtag	cttgatgggg	10140
atggcattga	atctgtaaat	taccttgggc	agtatggcca	ttttcacaa	attgattctt	10200
cctacccatg	agcatggaat	gttcttccat	ttgtttgtat	cctcttttat	ttccttgagc	10260
agtggtttgt	agttctcctt	gaagaaggte	cttcacatcc	cttgtaagtt	ggataagatc	10320
gtcttcttga	tttagataag	ggctactttc	atgaggatcc	tacttccctt	ttgctctagc	10380
tccttcccag	gccaccacc	tttcccacag	gcaaactagt	catccatttc	ccccttggtt	10440
ccaatgctta	gtgagaagt	gtggtaaggg	gcagcctaag	cttctgtgaa	gttttttctg	10500
tttgtttgtt	tagttgggtg	gttggttttt	tgagacgggg	tctcactgtg	tcaccagggc	10560
tggagggcag	tggcatgata	tcagctcact	cgaacctccg	cctcccagg	tcagggtgatt	10620
ctccccctc	cagcctccct	agtagctagg	actacagggt	cgcgccacca	tgcccagctg	10680
atttttctat	ttttagtaga	gacagggttt	caccgtgttg	gccaggctgg	tgtcgaattc	10740
ctgaccacag	gtgatctgcc	caccttggcc	tcccaaagtg	ctgggattag	agggtgtgagc	10800
caccatgcct	ggccacttct	gtgaagtttt	atctagtggg	ttcatggtgt	acacctgtcta	10860
gctcccttca	ccaaaggcct	cttagatata	ctccacatac	tttaaaaaaa	acagcaaggg	10920
cctagccact	agaagccatc	caaagccctc	tgcattgtcat	ccaatacctc	attttttagta	10980
gtatctgggg	cctccacagc	acccttagat	caaaaacagca	accagattcg	gcaggggagcc	11040
agcaggctct	tctcgccctt	cctccaatcc	tttaaattgga	ggtttagcca	gtgggaaaag	11100
caggaaaagg	atccttctgc	aaacctctct	tgtgtatatg	ctatgatatt	caaaagattc	11160
agttgagaag	acaaactagg	tgacactatg	tgcaaatgga	cccacactca	agggttttcc	11220
ttgactgaag	gcagtcggac	gggagtggca	agctggggct	gaaggagttc	tacattctct	11280
ggacgaagat	tcaaaaatac	caagtaagat	cccagagatg	cgggtggatc	tgtgttggga	11340
aacattctgt	tcatatgctt	taagatgcag	caactcctgc	acagagtggg	gaaacatttc	11400
caaggggatt	gggattttac	ccataatgaa	gctcagagt	agtaaagatg	gggctgagga	11460
aatgcaaaaca	aaaaaccaac	caggacttcg	cagggtgaa	ggcctattcc	cttctcctctg	11520
attattggga	tcatctaaag	gccaccatca	agggtttcct	gaaaagggtt	tttgacagct	11580
aaagtacaaa	aattatataa	gacaagaaca	tggacctatg	ggcgttggct	ggctgatttg	11640
atgggcata	ttacaaacca	gctcacagac	agaagcaaaa	tactattagt	tatttaaggc	11700
agaaacataa	gtgattcttc	cacggccaaa	ctagaggcac	agagctggaa	aaacttcac	11760
cccactcagc	acatactagg	gaggtaactt	gccagctttg	ctttgggtca	tagttcttac	11820
agctaactta	tgtgttccag	aaaatttacc	gagaaatcga	cgttgacagg	tctggtacca	11880
tgaattccta	tgaaatgcgg	aaggcattag	aagaagcagg	taacccttta	taactgcatt	11940
ttcgttccta	gtttaatctg	tctgtagaat	atgtgaacac	tcattcttata	ccatataaca	12000
caagatttgg	taaagctata	aaataaagta	ggtgctgggt	taatacagac	acctcctttt	12060
cattccccct	tcaaagacta	atttggtaaaa	ttaaatgcag	taggatgctc	tgccctctgt	12120
gccttcttga	atccaagttt	cctttggagc	cgcttggcac	agtaagcagg	caaagccagg	12180
tctcaacagc	ctcctccagg	tgttcccttt	ctgggtgcag	gttgggttagg	cagaaatcaa	12240
atgtctcagc	tcagccctta	gggtaagacc	ctagcagaat	tggatatcaa	taaaaggaca	12300
caagcgagt	gtagaccagc	aaagcaggag	actgctgggc	tttgggaaca	aatgtgtcag	12360
catgaggctg	ttcattctat	ttgctggga	ataatgctgc	tgcagagacc	ccacacaaca	12420
ttggtttata	cgaggatagt	ctttctgtcg	tatagcaatc	ccagctccag	cagtccacgg	12480
ctaggacggg	gcctcctact	atcctaccat	gtcactatct	gatcacgctt	ccccagcgt	12540
ccccccatcc	atgatgcca	cgggaccttc	aagggtcacc	ctcatccaag	ggacctggga	12600
cagcctgcca	ccacaaacac	atgccaccaa	cagggtgaca	gaagaagggc	cccttgccct	12660
taagggcaca	caggccattt	cgggtcacac	atcccaccag	ccagactctg	atcacaaggc	12720

ctctgttgac	tgcaaggaag	ctgggacatg	cagtcttgat	gctaggtggc	cataggctca	12780
ataaaaaatta	ttttactctg	gaaggagaga	gaactactat	gagttttacca	ggaaagcttc	12840
tgctcacata	tatccaggaa	gaatctgatc	ttcaagacga	ttgagagcta	aacaaaaaat	12900
caaacagcag	cagcatgggt	aacaacatga	agcaactgtg	accatgagaa	cagaaacagg	12960
caagaaaaca	cttatgtgtc	agcaaaggac	acaggcaggg	tgaaggtgga	cagttcaaaa	13020
acaaaagaaa	cagcagaagg	tactggcctt	gcaaaatcaa	accagtctca	cagaagagca	13080
gccaaggggac	aaaagcaatt	atacctcatt	taaatcacca	cattagtttc	atagcctgtg	13140
agcgcagcta	aatggaacaa	tctaattgctt	agcaatgagt	ttgtttgttc	atgtaacttc	13200
aggttttcaag	atgccctgtc	aactccacca	agcatcggt	gctcggtttg	cagatgacca	13260
gctcatcatc	gattttgata	attttgttcg	gtgtttgtt	cggctggaaa	cgctattcag	13320
taagtggata	tttggggaat	gactcatttc	agttctcttg	gtattaaagt	ggcctgcctt	13380
tcacctcggt	gaaatcatct	aaactagaga	catgtcttcc	aggagttgag	aatgaaattc	13440
cctcttttact	aatttgaggg	tgaggaagaa	agcatgtatg	gtggtcagtg	aagtcagttg	13500
ctgaactgaa	aagaggataa	tgtgatctgt	ttcagctcac	tcacttgtga	caccctcttt	13560
ttctccctcc	acagagatat	ttaagcagct	ggatcccag	aatactggaa	caatagagct	13620
cgaccttatac	tctgtgagtc	agcaggcccc	gccttgcttc	taaggggatg	ggggaggcat	13680
ggggcggaaa	gggctgttac	ttgagtgatc	tgctttttca	agttttgctt	ttaaagagctc	13740
ttgggtctgtc	ggggccaggc	ctgtaaccgg	ttgtaagatc	ccacaatgca	cttttacttg	13800
cagttgtttt	ccaaccacct	attctcaagt	ccaaaatgca	cgcttggctc	cctcttctca	13860
tgagctttga	cttgagtgtg	gctcaagggt	aaactaagga	gtggctgcag	gatcatgctt	13920
agaaaaatga	actcctgatt	agcatgcaag	ggagaacatg	tttatataaa	gaaatccttc	13980
agctgaaatt	caagttgggt	tttggggaaga	tccatcatte	ttagagtggg	tctacttaaa	14040
atactttaag	caaattagtt	ttctctactc	cctccccgtt	taagataaaa	ccaatactag	14100
taaatacggt	tgccatttat	tattgttatt	gcactcatgt	gtctggaacc	ctagcaatac	14160
acatctctga	aatgatcatc	aatctgaatt	aagtgggtat	gctaatttca	caaaaagcaa	14220
agcgtaaaat	gttctcgtgt	catcccaatg	acaggaagtt	ctctcactga	aagaaagaag	14280
ccagggtggg	tatacttcca	ttatcacctg	gctccagtc	gcatttcttc	tatactcagg	14340
gaaggccaca	gagggccggg	cgaagtggct	gacactgggt	gagaatggca	gttgtcagtc	14400
ctgtccgtgt	aacagaggag	tgaagtgggt	aggagggcag	gtctaaggca	ctggcagctc	14460
ttttccatgg	attttgaact	ctggaggaag	gcagcaacta	aataactgtc	tcattctgct	14520
attatgcatt	gtattagcaa	agtgaaaata	tagtctatct	ggttacaaat	aacactaact	14580
tgcttaaaac	ttacatatc	ctaggaataa	tctctacccc	tagattgcaa	tgtagagtca	14640
accccatctc	taaaaaaata	aaaaattagg	ctggccgcag	tggttcatgc	ctgtaatccc	14700
atcacttttg	gaggccaagg	caggtggatc	acctgaggtc	aggagctcaa	gaccagcctg	14760
gccaacatgg	tgaaccgcg	tctctactga	aaatacaaaa	attagggtcg	ggcgcggtgg	14820
ctcacatcta	taatcctagc	actttgggag	gccaaggcgg	gcgaatcacc	tgaggttggg	14880
agttcgagac	cagcctgagt	aacatggaga	aaccccatct	ctactaaaaa	tacaaaatta	14940
gccaggcggtg	gtgacacatg	cctgttaatc	ccagctactc	gggaggctga	agcgaaagga	15000
ttgcttgaac	ccgggaggcg	gaggttgctg	cgagctgaga	ttgcaccatt	gtactccatc	15060
cagcctgggc	aacaagagca	aaactgcatc	taaaaaaaaa	attagctggg	cgtggtggca	15120
gggtgcctgta	aatacgttac	tctggaggct	gaggcaggag	aatcacatga	acctaggagg	15180
tagaggttgc	agtgaactga	gatgggtcca	ctgcactcca	gcctaggcaa	caagagcaaa	15240
accctgtctc	agaaaaaaat	aaataaaaaa	taaaaaaatg	agccaggcat	ggtggtgcgt	15300
gcctgtagac	ccagctaccc	aggaggctaa	ggtgggagga	acacctgagc	ccagaagtca	15360
aggccgcagt	gagccatgat	ctccccacta	cattccatct	tgggtgacag	agcaaggccc	15420
tgtctcaaaa	aattttaaaat	gaaataaata	gtagagtcaa	cacaactgtg	acacgaaaca	15480
tgccacatgt	taagttcttg	aaatcctagc	ctgtcattct	tgctggatat	cctattctac	15540
cccagccacc	cacccccact	ccagggtcca	cctggcctgc	ctgctcagtc	cactccctcc	15600
gcatctcctc	cgagaagcat	cttcttcccc	actggctttt	cctgccactc	ctaagcctta	15660
cctttttgcag	gttccctggag	atcctcgctt	ctcgtagtct	ttgcaaggat	gagccatggt	15720
cagaagctct	ccgttcagtc	tgcagggtatt	tcaaccttgg	ctgcagattc	catcacatgg	15780
ggagctttgc	caaagtgtctg	gtgtcctgtc	tgtatcccag	accagttgaa	tcaatctgat	15840
ttaaagtttc	cgtatcacta	caacttagaa	ccaatgctga	acaccattgg	ttgcagggat	15900
atccacatcc	caaactaact	tctgatgtga	tactctgagg	cagagatgtg	aaaatgctaa	15960
tttctgttgt	gtgaatttca	cttttcatgt	gtgcaatcaa	ccctgtaata	tgattcatgg	16020
ccacttaatg	caaatcacac	agactactga	cctgttaaaa	gctagactct	agaaatcagg	16080
taagaaaaat	atgagttagt	gcactgatat	tgtagccctc	aatcagcttt	tccagtacaa	16140
gtttttttgga	acaatctaca	ggtacttaaa	tagcctttaa	ttttaaaagt	ggtcactgag	16200
ctgacttttt	tttttccctc	ctcacagtgg	ctctgtttct	cagtactttg	aagttataac	16260
taatctgcct	gaagacttct	catgatggaa	aatcagccaa	ggactaagct	tccatagaaa	16320
tacactttgt	atctggacct	caaaattatg	ggaacattta	cttaaaccgga	tgatcatagc	16380

tgaaaataat	gatactgtca	atttgagata	gcagaagttt	cacacatcaa	agtaaaagat	16440
ttgcatatca	ttatactaaa	tgcaaagtag	tcgcttaacc	cttgacaagg	tcaaagaaaag	16500
ctttaaatct	gtttatagta	tacacttttt	actttttacac	acttttctgt	tcatagcaat	16560
attaaatcag	gaaaaaaaaa	tgcaaggagg	tatttaacag	ctgagcaaaa	acattgagtc	16620
gctctcaaag	gacacgaggg	ccttggcagg	gaatatttaa	agcaacttca	agtttaaaat	16680
gcagctgttg	attctaccaa	acaacagtc	aagattacca	tttcccatga	gccaactggg	16740
aaacatggta	tatcatgaag	taatcttgtc	aaggcatctg	gagagtccag	gagagaagac	16800
tcacctctgt	cgcttgggtt	aaacaagaga	caggttttgt	agaatattga	ttggtaatat	16860
taaatcgttc	tccttacaat	caagttcttg	accctattcg	gccttataca	tctgggtctta	16920
caaagaccaa	agggatcctg	cgcttgatca	actgaaccag	tatgccaaaa	ccaggcatcc	16980
aatttgtaaa	ccaattatga	taaaggacaa	aataagctgt	ttgccacctc	aaaactttat	17040
gaacttcacc	accactagtg	tctgtccatg	gagtttagagg	ggacatcact	tagaagttct	17100
tatagaaagg	acacaagttt	gtttcctggc	tttaccttgg	gaaaatgcta	gcaacattat	17160
agaaattttg	ccttggttgc	ttatcttctt	ccaaatgtac	tgtaaataaa	aaataaaggg	17220
ttaccccatg	caatcacacc	atgccatggt	ttccttctctg	gagggcagcc	ccacagggac	17280
ggtttatgag	cacacaatta	tagcttgttt	ctactttaac	aagggtatgct	gcctctgtaa	17340
attcatgtat	tcaaaggaaa	aagacacctt	gcctatatta	aaatgtggaa	ctataaaatt	17400
ttttaaaatc	caa					17413

<210> 12783  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 12783						
aggaggtacg	tctggcccat	gtcccgggggt	gctcaggtca	ccaaaaaagc	gagaggctta	60
gactgctgga	gctcaggagg	cgctcgtaag	cccgggcagg	ggctgggtgg	catgaaggat	120
gagtcctggc	cacccttggg	gccctgctga	agttgccag	gctctagatc	ccactgggtct	180
aagctctggg	caagggtttct	ggaaagtcct	tgtgggaccc	gctgcctccc	tgtgacctgg	240
cagagcccat	acagggtttt	gttctgggca	gaaaatccat	gatcctgaga	ctgcaggagg	300
cttttcacaa	agttctttgt	cactcttagg	agaagactga	gtcagggaaa	aggtgaaccc	360
tgcagactgt	actagaagac	aacgcgggag	cacagaggag	accaggaccc	aattcccagg	420
ctgtgtgacc	ttggacacgt	tacagtcct	ctctgcattt	cagggttttg	ttttttttt	480
ttttgatttt	tggtttgttt	gttt				504

<210> 12784  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 12784						
cagagcttgc	agtgagccga	gatcgcgcca	ctgcactcca	gcctggggcga	tagagcgaga	60
ctctgtctca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaagag	t		101

<210> 12785  
 <211> 2540  
 <212> DNA  
 <213> Homo sapiens

<400> 12785						
gggatgttat	caagtggctg	gtcaaagcag	taactgaaga	tggattgact	cagcccccaa	60
atggaaatca	aacgtcttca	ggaacaggaa	tcttgaaagc	cagcagtagc	cacccttctt	120
cccagcccaa	cctgacaaag	aacaccaatc	agctgtaagg	ggcaggcagt	tctctttcct	180
ggggctcttg	gggttttagt	tttttagagag	aacaacacca	atccctaaga	gcagcttccc	240
ccaaattaac	aagatcttag	aacataggct	gatgcttatt	caagacttag	tttaactaga	300
ggctaaatth	ctgatttcaa	aggcagaaca	acgcagatgc	ctttcaccct	taaaatgaat	360
aggacttcac	aaagtgaata	cgaagtcaca	agcagatgc	aaaacaaatg	ctagaggaca	420
ctgcccttca	cttctgcat	ttcaggagac	agtaaagggt	tacagctcct	catcacttca	480

gatatctgtt	gccatagaga	aggagtgggtg	tgtagtgtga	gttttgttaa	cctcgagtc	540
tcaaggacct	gggtttctct	cctcaggtcc	cgggagaaaa	atagcattca	gcctgcaggt	600
tccaacacac	cagggcaggt	atcatcaccg	cagactgcac	tggaaagaaa	ttcatggcat	660
ttcttttatg	gagttgagag	tgggtcttggc	gttttttgag	agatgccggg	agattagggg	720
ctggggctac	ccttgcacaa	ataaaccagt	attccatgtc	aatcatattg	tgaaaagcca	780
gtcacactgg	gcatttcaag	tgtaacattt	gtgtctgaat	tcacaatgtt	ataatctggt	840
tgcaccaacc	tgatttttat	ggaagaccta	caagtttaaa	ttgtttccta	aattgtaaat	900
aattataact	aatttaggaa	acaattttat	atctaaaggg	gaatgttttg	gaacaatgaa	960
gcatttggac	agattgagga	aggccctaaa	gtagcattct	cccacacggg	ccacatacag	1020
acccaagagg	gaggtggaca	ctgttccttc	aatggaagct	agtatcatat	aacaatcatc	1080
ataataaatg	tttataaata	catgttagta	gaaataacaa	tagggtcccc	taaaagtcaa	1140
ttttgttatg	atcttaacaa	caatagtagg	ttgtaccac	ttatcactag	agagtccctg	1200
tgagatattt	tatatagcac	tcacaacttt	acaaaataga	tattattgct	cacccttttt	1260
atagatgaga	acacttggac	tcagggcagt	ttagtaactt	gtcgaagggt	aaacagctta	1320
tcattgtaga	gacagaatct	gaggccagag	ctgctgggtc	ggcccacctg	ttgtgttact	1380
agctgcagat	tttcttaaa	taaaaccttt	cttccatcac	agataacatg	tgttgccggg	1440
cgtggtggct	cacgcctgta	atcccagcac	tttgggaggg	caaggcgggt	ggatcatgag	1500
gtcaggagat	ggagaccatc	ctggctaaca	cggtgaaacc	ccgtctctac	taaaaaata	1560
caaaaaaata	gccgggcatg	gtggcgggca	cctgtagtcc	cagctactca	ggagactgag	1620
gcaggagaat	ggagtgaacc	tgaggaggcg	agctggcagt	gagccaagat	cgcgccacag	1680
cactccagcc	tgggcgacag	agctagactc	catctcaaaa	aaaaaaaaaa	aaaaaaaaaa	1740
aaacacgtgt	tagaaaaggc	tgatgtcagg	ccaggctcac	ctttctgaga	ggttgccccg	1800
actcctaagt	ccacatcagg	ctggctctct	cccacagtta	gatctaattg	gagagaaggt	1860
caggttccac	caggggaggt	tctgagaccg	aacttagtaa	gaagctattg	taaaggaaac	1920
agtaacagga	gaaaactgta	tggcaaatat	atattttctc	ctgtatcaaa	gaaatttttaa	1980
tcatttttaag	tcactctgga	cctgtttctt	atctctgcaa	acagggaagt	tatagattag	2040
atgatcctta	tagttcccta	tatccttaag	gttgtgtggt	tctatttttg	aattttaaaag	2100
cagcttgctt	ttacagctca	accccaggtt	ctgagagggt	caaatagtat	gttctggcaa	2160
aagggattca	ggttaggtgaa	attgctaaat	aaaagcatgc	tgatggtttg	agtagttctc	2220
cctgaccttg	tgtgtgcttt	ataagatcct	ttagtagtct	ctactctcga	tgtacactgg	2280
tggggacctc	ctcccagcca	gagagtggct	ccttgccaga	ccctcacact	catctgtgtc	2340
ctatgttctg	gactcaggat	tgtgtgccag	cttcagagga	tgctctccat	agccgtagag	2400
gtggacagga	ccccacctg	cagctccaat	aaaattgccg	agatgatgtt	tgggtttgtg	2460
ctggacattc	ctgagaggag	ccagagggtga	gtcttgattt	tgttggggag	agcagttatt	2520
taaaaaaaaa	acaaaaaaaa					2540

<210> 12786  
 <211> 2540  
 <212> DNA  
 <213> Homo sapiens

<400> 12786						
gggatgttat	caagtggctg	gtcaaagcag	taactgaaga	tggattgact	cagcccccaa	60
atggaaatca	aacgtcttca	ggaacaggaa	tcttgaaagc	cagcagtagc	cacccttctt	120
cccagcccaa	cctgacaaag	aacaccaatc	agctgtaagg	ggcaggcagt	tctctttcct	180
ggggctcttg	gggttttagtg	tttttagagag	aacaacacca	atccctaaga	gcagcttccc	240
ccaaattaac	aagatcttag	aacataggct	gatgcttatt	caagacttag	tttaactaga	300
ggctaaattt	ctgatttcaa	aggcagaaca	aaaccagggt	ctttcacccc	taaaatgaat	360
aggacttcac	aaagtgaata	cgaagtcaca	acgcagatgc	aaaacaaatg	ctagaggaca	420
ctgcccttca	cttcttgcac	ttcaggagac	agtaaaaggg	tacagctcct	catcacttca	480
gatatctgtt	gccatagaga	aggagtgggtg	tgtagtgtga	gttttgttaa	cctcgagtc	540
tcaaggacct	gggtttctct	cctcaggtcc	cgggagaaaa	atagcattca	gcctgcaggt	600
tccaacacac	cagggcaggt	atcatcaccg	cagactgcac	tggaaagaaa	ttcatggcat	660
ttcttttatg	gagttgagag	tgggtcttggc	gttttttgag	agatgccggg	agattagggg	720
ctggggctac	ccttgcacaa	ataaaccagt	attccatgtc	aatcatattg	tgaaaagcca	780
gtcacactgg	gcatttcaaa	tgtaacattt	gtgtctgaat	tcacaatgtt	ataatctggt	840
tgcaccaacc	tgatttttat	ggaagaccta	caagtttaaa	ttgtttccta	aattgtaaat	900
aattataact	aatttaggaa	acaattttat	atctaaaggg	gaatgttttg	gaacaatgaa	960
gcatttggac	agattgagga	aggccctaaa	gtagcattct	cccacacggg	ccacatacag	1020
acccaagagg	gaggtggaca	ctgttccttc	aatggaagct	agtatcatat	aacaatcatc	1080

ataataaatg	tttataaata	catgttagta	gaaataacaa	taggggtcccc	taaaagtcaa	1140
ttttgttatg	atcttaacaa	caatagtagg	ttgtaccac	ttatcactag	agagtccctg	1200
tgagatattt	catatagcac	tcacaacttt	acaaaataga	tattattgct	cacccttttt	1260
atagatgaga	acacttggac	tcagggcagt	ttagtaactt	gtcgaagggt	aaacagctta	1320
tcattgtaga	gacagaatct	gaggccagag	ctgctgggtct	ggcccacctg	ttgtgttact	1380
agctgcagat	tttcttaaag	taaaaccttt	cttccatcac	agataacatg	tgttgccggg	1440
cgtgggtggc	cacgcctgta	atcccagcac	tttgggaggg	caaggcgggt	ggatcatgag	1500
gtcaggagat	ggagaccatc	ctggctaaca	cgggtgaaacc	ccgtctctac	taaaaaata	1560
caaaaaaata	gccgggcatg	gtggcgggca	cctgtagtcc	cagctactca	ggagactgag	1620
gcaggagaat	ggagtgaacc	tgggagggcg	agctggcagt	gagccaagat	cgcgccacag	1680
cactccagcc	tgggcgacag	agctagactc	catctcaaaa	aataaaaaata	aaaaaaaaaa	1740
aaacacgtgt	tagaaaaggc	tgatgtcagg	ccaggctcac	ctttctgaga	ggttgccccg	1800
actcctaata	ccacatcagg	ctggctctct	cccacagtta	gatctaattg	gagagaagggt	1860
caggttccac	caggggaggt	tctgagaccg	aacttagtaa	gaagctattg	taaaggaaac	1920
agtaacagga	gaaaactgta	tggcaaatac	atattttctc	ctgtatcaaa	gaaattttaa	1980
tcattttaag	tcactctgga	cctgtttctt	catctgcaaa	acaggggaagt	tatagattag	2040
atgatccctta	tagttcccta	tatcccttaag	gttgtgtggg	tctatttttg	aattttaaag	2100
cagcttgctt	ttacagctca	accccaggtt	ctgagagggt	caaatagtat	gttctggcaa	2160
aagggattca	ggtaggtgaa	attgctaaat	aaaagcatgc	tgatggtttg	agtagttctc	2220
cctgaccctg	tgtgtgcttt	ataagatcct	ttagtagtct	ctactctcga	tgtacactgg	2280
tggggacctc	ctcccagcca	gagagtgggt	ccttgccaga	ccctcacact	catctgtgtc	2340
ctatgttctg	gactcaggat	tgtgtgccag	cttcagagga	tgctctccat	agccgtagag	2400
gtggacagga	ccccacctg	cagctccaat	aaaattgccg	agatgatgtt	tgggtttgtg	2460
ctggacattc	ctgagaggag	ccagaggtga	gtcttgattt	tgttggggag	agcagttatt	2520
taaaaaaaaa	acaaaaaaaa					2540

<210> 12787  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 12787	
caccacactt	gcaccaggt gatcatcatt ctgcatggtc atcatttcat ttctttcctt 60
tctatgtagt	tgtattgcat atacatgtat tcctataaaa tatatttttt tacttttagtt 120
ccttttagctc	tatattaaaa ggtatcatgc tatatgtaat ctattgagaa ttttattttt 180
cacttactgt	tttatagtag caagatttgt ccatattgtt gcctgtcact gtagtttatt 240
tatattgata	gtcatattca tactcatatc ctccatttgc cttccacctt tcaaaatttc 300
actgctatca	cctgggaggc ggagcttgca gtgagccgag atcgaccac tgcactccag 360
cctggcgaca	gagcgagact ctgcctaaaa aaaaaaaaaa a 401

<210> 12788  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 12788	
caccacactt	gcaccaggt gatcatcatt ctgcatggtc atcatttcat ttctttcctt 60
tctatgtagt	tgtattgcat atacatgtat tcctataaaa tatatttttt tacttttagtt 120
ccttttagctc	tatattaaaa ggtatcatgc tatatgtaat ctattgagaa ttttattttt 180
cacttactgt	tttatagtag caagatttgt ccatattgtt gcctgtcact gtagtttatt 240
tatattgata	ttcatattca tactcatatc ctccatttgc cttccacctt tcaaaatttc 300
actgctatca	cctgggaggc ggagcttgca gtgagccgag atcgaccac tgcactccag 360
cctggcgaca	gagcgagact ctgcctaaaa aaaaaaaaaa a 401

<210> 12789  
 <211> 3992  
 <212> DNA  
 <213> Homo sapiens

<400> 12789

ttccagcact	ttgggagacc	aaggcggg	gatcacgagg	tcaggagatc	gagaccatcc	60
tggctaata	gatgaaaccc	cgtctctact	aaaaatacaa	aaaaattagc	cgggtgtggt	120
ggtaggcgcc	tgtagtccca	gctactcagg	aggctgaggc	aggagaatgg	tgtgaaccct	180
ggaggcgag	cttgacagtga	gctgagatgg	cgccactgca	ctctagcctg	ggtgacagag	240
cgagactccg	tctcaaaaaa	taaataagaa	attaattact	taattaatta	aataaataat	300
aaaaataaaa	atttaactgt	taagccctgc	cttcttctct	tatctttatc	cataggcctg	360
gcataagtgt	tcactaaagg	cttggtgggt	gaatgaaata	gatatatcca	atattagagg	420
aactagaggt	gacacaagaa	tgaaaagagt	tggacctata	gaatgacccc	agatagtaag	480
aattaggaat	tcagtttctc	taagcatgaa	ttagtgaagt	atttcattag	gaagggataa	540
agaaatgggt	tttggtctaa	aacaatgatt	ccttccttga	cccagtaatt	ttaaaaatcca	600
gaggaagaaa	actaaactag	aatgaatatg	aattcatgaa	caattgctgg	tacaggaaat	660
aagtataaga	gagtcattgc	gtagtgggtga	cccttgggga	aattatggta	tatgtttgtc	720
ttcagtgcat	ctccaccagc	tccatgcgtg	cttcccatcc	ccatccctaa	actcccagct	780
gacaaccaag	acaactattg	tgcagctttg	gtttcttcta	ttacaagaaa	atgtcatgcc	840
aaatagtact	ggaataggac	tttaattaaa	tactctggta	agattgagac	atttactgag	900
tccttacaat	gtgccagcca	ttgtcacatt	aattatctca	tttgttttct	gttttttttt	960
tctttttctt	tttctttata	atttagaaac	agggctcttg	tatgttgccc	aggctagttt	1020
tgaactcctg	ggctcaagca	atcctcctgc	ctcagcctcc	cgaagtctctg	ggattacagg	1080
catgagccac	cgcacccaac	cttattttatt	tttcttataa	tgttatccct	atttatttat	1140
ttatttgttt	tgaggcagag	tctcactctg	tcacccaggc	tggagtacag	tgggtgggac	1200
tcagctcact	gcaatctttg	cctcctgggt	tcaagtgatt	ctcctgcctt	agcctcctga	1260
gtggctggga	ttacaggtgc	atgcccctat	acccagctaa	tttgtgtatt	tttagtagag	1320
atgggggttt	accatgttag	ccaggctggg	cgacactcc	tgacctcagg	tgatctgccc	1380
accgcagtct	cccaaagtgc	tgggattaca	ggcgtaaac	accacacctg	gcaatgttat	1440
ctctatttaa	tgaataagaa	aagcattcaa	agaggtggag	tttaactagc	taagtttatg	1500
tagctaatac	ggttcagaat	ccaaatttaa	acccagggct	gcttaatccc	aaattcaata	1560
ttcaaaggag	gcagtgtgtt	gtactgggtc	gacagaagaa	agtgcacatg	aataccatgc	1620
ttgctctaac	actttgtcag	gagtatttca	tttggttcca	actcctctac	tattcattca	1680
tgtaagccca	gatgctggta	agaaatggga	aagctaagga	ataggttaaca	aaaaaaaaatt	1740
aggaattaaa	acagacaaac	atgatttata	caaaacctgg	ccctacttta	aaattctctc	1800
agagggggcaa	attggccact	cacccaaatt	atgctaaaag	atactttact	tggcctttac	1860
cttgattttat	tttaattttc	taaagattaa	gtataattta	catataacct	aattatgtaa	1920
actagcttgc	atacatacca	tccagttagt	cttgacaaat	gcataacctt	tcttgacctt	1980
tcattttcca	attgctcatt	agtagtgtat	agaaaccttg	caaccttaat	aaattaactt	2040
attctagtag	gattttttgt	tgttttcctt	aggattctct	acatacacia	tcacgttgct	2100
taaaaataca	ctttaactgt	atccttccca	atctgtgtat	gccttttgct	tgctttttct	2160
tgccatactg	cataggctag	aatctccaag	aaaatgttgg	agaagcagtg	agagtagaca	2220
ttattgcccc	attcctgatc	ttaggggtgaa	aacattcagt	ttttgactat	taagtgtgat	2280
gttagctata	aatgtttcat	aggtgcccct	tgtagtttg	aggagcttc	cttccatttc	2340
tagtgtatta	tttttacgaa	gaataagtat	tgaatttgc	caaatagttt	gtctccatct	2400
attgagataa	tcatagtttt	tcttctttat	tctgttgatg	tgggtgtaata	caactgattaa	2460
tttactcacg	ttaaaccaac	tttgcatctc	tggataaaaa	acctacttg	gttggtgatg	2520
tatccttctt	atatattgat	ggattcaagt	tgctaataat	ttgttaagga	tttttgcac	2580
aatgtttaca	agggatattg	acctgtagtt	ttattttcct	gtaatgttta	atgttttcca	2640
tgtttccctt	tgcatattta	aaagaaagat	aagttggcca	ggctggtctc	gaactcctga	2700
cctcagatga	tctgcccacc	tcagcctccc	aagatgctgg	gattacaggt	gtgagccacc	2760
aggcccagcc	ttatgaactg	aattctaaaa	taagtttaaa	aagcaaaatg	caaaaaataa	2820
ttatatataa	tatacatatc	tttttgtaaa	aaaatgataa	aaatatacat	gattctgatc	2880
atttgtttaa	aaaagaaaca	aagtttaagg	aagccacaga	ctaataaaat	tgcttacata	2940
cagagagtgg	gtgggaatgg	gataaaaagg	agaaaaggta	ctgggctcgg	tggtaatggt	3000
ggcagtggtg	gtgggtgggtg	taaacacttc	cctgagtatg	cctttttgtg	tggctgtaaa	3060
cacttttttag	agtcattgta	acccattttat	gcctgggggt	caacattttt	tgtgtgaaaa	3120
atcagacctg	ggcaatgacc	ttgagcagta	ggatacaaat	aactctcaca	agtttagcgt	3180
tccaataatg	gaacactggg	cataaattta	atgtttttaca	tactcaaaaa	atcaagttca	3240
cagggtgcca	aaaatggaa	acaaacagaa	acaagttaac	ctaactgtat	tttaataaaa	3300
taaaggagag	ctagcatggg	ggcatgcacc	cacagttcca	actactcagg	aggctccagt	3360
aggaggatca	cttgagcaca	ggcgtatgag	gctggcctgg	gcaacacagc	aaatcctgtt	3420
ggtaattaat	caataaaaaa	ggaaggggtg	gagggacagg	cccaggtaac	ttttttttta	3480
cctttttatt	ttattttatt	ttaaaaaatt	gtagattcac	aggaaattgc	aaaacctatt	3540

[illegible]

```
<400> 12790
gtgagccgag atcgcgccac tgcactccag cctgggcaac agagcgagac tccgtctcaa    60
aaaaaaaaaa aatagaaaag aaaa                                           84
```

```
<210> 12792
<211> 520
<212> DNA
<213> Homo sapiens
```

<210>	12793
<211>	6271
<212>	DNA

<213> Homo sapiens

<400> 12793

aggatgctca	caactgtatt	cctgagctgg	acagtgagac	agccatgttt	tctgtctacg	60
atggacatgg	aggtaacttt	aacagatcat	attggttaaca	ttctaggacc	ccaattccag	120
acgttccagg	gcaagaacag	gtccctttgt	tcatttactt	tccagggctt	ggccctcatt	180
atcatttcct	gctgtgtgct	gtttttctgt	attctgtcat	tcttttttcc	cagtaggtac	240
tgtattgggt	tataatctca	ccaggacttg	ttttaatcca	aagagcctct	atcttttttt	300
atttttat	tttaaaat	ttaggctggg	cacgcggtag	gtcacacctg	taatcccggc	360
acagtggatc	acgaggtcag	gagttcgaga	ccagcctgac	caatatggtg	aaaccccatc	420
tctactaaaa	atacaaaaat	tagctgggcg	tagtgggtggg	cgctgtggtg	cccagctgct	480
cggaaggctg	aggcaggaga	atcgcttgaa	cctgggaggt	ggaggttgca	gtgagccaag	540
accatgccac	tgcactccag	cctgggcaac	agagcaagac	tcttgtctta	aaaaacaaaa	600
aagtgtaccc	agttgagctg	attctttatc	tttttttcac	tggagaacta	agtatacagg	660
tgagaaaaga	cgagatat	atacccgaga	gaattgatgg	tgaaatccat	ttttttggat	720
cagaacttcc	ccaaacagtg	tccttcaaat	agggttcagg	ggtgctaaga	tatttatccc	780
ctcaaccctt	gggggttact	ccagtatggc	atataaatat	tgtatcactt	tctatgtgtg	840
gggagcagtg	ctccaggtga	ccttccttcc	tttccttcta	ggggaggaag	ttgccttgta	900
ctgtgcca	tatcttcctg	atatcatcaa	agatcagaag	gcctacaagg	aaggcaagct	960
acagaaggtc	tgtctgctta	caccgccc	tcctcacttg	tgtaggcttt	tcccttggtc	1020
tctagccctt	gggcttttcc	tttctttt	tcctctagct	gctgctgctt	atttactctt	1080
gaagaattct	gttcctaaaa	cgagcttatt	ggccgccttt	tagacttgcc	ttattattcc	1140
taggcctctg	agctgttttt	atctgtgagt	gtctcttagt	gtggtggctc	acactcttaa	1200
tttgtattcc	atccttgtgc	tcaggattgt	atatagggag	ttcattttgt	actagtctta	1260
gactat	cttatattca	ggcttttaga	gatgccttct	tggctattga	cgccaaattg	1320
accactgaag	aagtcattaa	agagctggca	cagattgcag	ggcgaccac	tgaggatgaa	1380
gatgaaaaag	aaaaagtagc	tgatgaagat	gatggtgagt	gtggcatccc	ttgtttgagg	1440
ggaaatcagc	attttaagaa	atattcttta	atattactta	tcaattctaa	gataggatgg	1500
ctttctaggg	acctggggag	tccttatgtt	aaagaaacct	atgatgttct	cctgcattgt	1560
atgtggttat	gaaaaggagg	gagagaatta	tcttcgttga	gtggcatctg	agctgtaagc	1620
attgtatata	cattatcttt	tgtcattgtg	atggggctct	cctggttcc	gctagtattt	1680
atgtgctttt	ttttcccctc	aagactggag	cagttattag	ccccaatagc	caatcattaa	1740
gcctaaatcc	taatttcacag	tagcattgtg	ggcttcctgg	atcctcagcc	agaatagggg	1800
ttttacaact	taacaataaa	aaatgagacg	tcagagggga	agtatagtaa	ctagtgttgt	1860
tttgattaag	aaggggatga	aacacaaaaa	ccaaaagaag	tctgtggagg	aggaggagct	1920
agggcatgtt	cttctgagac	ttgagcgaga	ggaaccttgg	gagtgggagg	ttgtggggaa	1980
gtagagggt	gcaagggctg	ttgaggtagt	gagagggacg	gatcccatga	ggagtctggc	2040
atgggggctc	tgatttagcc	tcttccctgc	agtggacaat	gaggaggctg	cactgctgca	2100
tgaagaggct	accatgacta	ttgaagagct	gctgacacgc	tacgggcaga	actgtcacia	2160
gggcccctcc	cacagcaaat	ctggagggtg	gacaggcgag	gaaccagggt	cccaggggcct	2220
caatggggag	gcaggacctg	aggactcaac	tagggaaact	ccttcacaag	aaaatggccc	2280
cacagccaag	gcctacacag	gcttttctc	caactcgga	cgtgggactg	aggcaggcca	2340
agttggtgag	cctggcattc	ccactggtga	ggctgggctc	tcctgctctt	cagcctctga	2400
caagctgcct	cgagttgcta	agtccaagtt	ctttgaggac	agtgaggatg	agtcagatga	2460
ggcggaggaa	gaagagggaag	acagtgaggt	aagggcctgt	gagggcaggc	agatgctgaa	2520
gtagcagaga	ggctctgttt	gggtgcccgc	tgtagttttc	aactctcttt	ccttctccta	2580
ttttgacatc	atcccccaag	accactgtta	ttctaagctt	tagtcttgaa	ttcattgagc	2640
tccatcatca	caggtaccat	ttgccttttt	acctcttcc	ttgttggtac	tataacaagc	2700
agatctagtt	ctggcttttc	agagtctgtc	tcctagagag	agaacaagga	gatagtgtgt	2760
accttggtcta	gttgactgtt	ttcttctctg	gaaaatttat	tttctggcca	cagtgcctga	2820
aagatat	tggctggcag	cccttgccct	gtcctgggct	ttttgctagt	gactgctaag	2880
cccagttcag	gatgtcagtt	gtactcatgc	tagcccttcc	catcccccca	attttcatga	2940
ccatatactt	gtatctttca	gtgttttgag	gacctgtgtt	cagtcaggac	ctcttgattc	3000
tgagtatgag	ctgtggggag	ggaggggatc	atcccagctc	cagcagctctg	ggatcctccc	3060
cctggcagga	atgcagcgag	gaagaggatg	gctacagcag	tgaggaggca	gagaatgagg	3120
aagatgagga	tgacaccgag	gaggctgaag	aggacgatga	agaagaagaa	gaagagatga	3180
tggtgccagg	gatggaaggc	aaagaggagg	tgtgtgggga	aggggagcaa	tgagtcttga	3240
aaagccacaa	ggcaggtgtg	aatccccctaa	ttttgatttt	gagacaggga	ttccccctgat	3300
acttttaggat	ggaggaataa	gtcatgggga	ttttatcttc	aaggggaatg	agatggtaag	3360
cctttgggggt	tgaattatct	aaaaacaagg	gagagggagt	gtgctgctgt	ctctagaag	3420
atgaaatgtg	tgcttctcct	gtttgttaaa	gctcttttgg	gggtcccagt	gaaagcaagc	3480



ataggtgaac	gatcaggagc	acatcagtga	ggaacgcatg	ttcagaagcc	cccatgatgc	3540
tccttttctt	cctcttaagc	ctggctctga	cagtgggtaca	acagcgggtg	tggccctgat	3600
acgaggggaag	cagttgattg	tagccaacgc	aggagactct	cgctgtgtgg	tatctgaggg	3660
tggcaaagct	ttagacatgt	cctatgatca	caaaccagag	gatgaagtag	aactagcacg	3720
catcaagaat	gctgggtggca	aggtcacccat	ggatggggcga	gtcaacgggg	gcctcaacct	3780
ctccagagcc	attggtaagg	gccaagaaac	tgggaaagac	ttctaggggtc	tttctctctg	3840
tcccagacta	cctagtagca	aactttaatc	ttcctagtgc	ttgtgccttt	caaagcactt	3900
taatatctac	tacctctgtt	cttataatttc	tgtgaaataa	ctaagatggg	tagaggtatc	3960
attatacata	ggtatcatta	tacccatctt	atgtaacatt	tgaatgatga	aaaagacctg	4020
tgagtgccgg	gcgtgggtggc	tcacgcctgt	aatcccagca	ctttgggagg	ctgaggctgg	4080
tggatgcct	gaggtcagga	gttcgaggcc	agcctggcca	acatggtgaa	accccatctc	4140
tactaaaaaa	aaaaaaaaat	acaaaaatta	gctgggcatg	gtagtgcaag	cctgtaatcc	4200
cagctactca	ggaggctgag	gcaggagaac	cgcttgaatc	cgggaggcgg	agggtttagt	4260
gagccgagat	cgtgccatta	cactccagcc	tgggctacaa	gagtgaaact	ccgtctcaaa	4320
aaaaaaaaaa	caaaaaagac	ttaaaataaa	aagaccagtg	agtgactttc	ttaaggttca	4380
gcagtctggg	ggcagggttg	aaactagaaa	aactaggact	taggactcag	ttccccattc	4440
cactagatta	tggaaacttg	taaagaaggg	aaatgaatgg	caaggtttga	cctgccacaa	4500
acacaagtct	gtgggaagta	tccaaactgc	tcatcaacca	ttcctttact	ccaggggacc	4560
acttctataa	gagaaacaag	aacctgccac	ctgaggaaca	gatgatttca	gcccttctctg	4620
acatcaaggt	gctgactctc	actgacgacc	atgaattcat	ggtcattgcc	tgtgatggca	4680
tctgggtgagc	actggcagaa	tgcctctaat	tcccctttct	gcagcatgtc	ttctcttata	4740
ggactcaggg	cacctctagg	attagagcct	aggcagacct	aggcctcttg	gtgggtgaag	4800
agcaccagga	ctaaggcaga	gctgagaatt	tctgtagtta	tttacctgg	cctggggccac	4860
cacctctgtc	catactcttc	tacgtctgct	tagtgagact	ggaagattct	gactgttgtt	4920
cttgacccca	ggaatgtgat	gagcagccag	gaagtgttag	atttcattca	atcaaagatc	4980
agccagcgtg	atgaaaatgg	ggagcttcgg	ttattgtcat	ccattgtgga	agaggtgagt	5040
accaggggtg	agaagagagg	gtgtctggtc	tgcacagcca	gggttcactc	ttttaatctg	5100
agctaagtcg	gcaatctggg	agcattatca	gtaattgctg	acagacgcta	aaccccgact	5160
ccaaagtccc	accttctgtc	atttccttga	cttagcctta	tgccttatgg	actagcaggt	5220
gggccgttgt	gtgatacctc	ttgcccattc	ctctcctacc	accctgactc	agcaagccag	5280
ccctcttgtg	ggactgtaga	ttcctggcaa	ggtgttcaaa	ccctgtggct	gagctacccc	5340
catccctttc	ttagctgctg	gatcagtgcc	tggcaccaga	cacttctggg	gatggtacag	5400
ggtgtgacaa	catgacctgc	atcatcattt	gcttcaagcc	ccgaaacaca	gcagagctcc	5460
agccagagag	tggcaagcga	aaactagagg	aggtgctctc	tactgagggg	gctgaagaaa	5520
atggcaacag	cgacaagaag	aagaaggcca	agcgagacta	gcagtcatcc	agaccctgc	5580
ccacctagac	tgttttctga	gccctccgga	cctgagactg	agttttgtct	ttttccttta	5640
gccttagcag	tgggtatgag	gtgtgcaggg	ggagctgggt	ggcttcactc	cgcccatctc	5700
aaagaggggt	ctccctccac	actgcagccg	ggagcctctg	ctgtccttcc	cagccgcctc	5760
tgtcctcctg	gctcatcacc	ggttctgtgc	ctgtgctctg	ttgtgttgga	gggaaggact	5820
ggcggttctg	gtttttactc	tgtgaacttt	atttaaggac	attctttttt	attggcggt	5880
ccatggccct	cggccgcttg	cacccgctct	ctgttgtaga	ctttcaatca	acactttttc	5940
agactaaagg	ccaaaacctc	atcgtagcga	tctgtctctt	ttttttctgc	tgccgtggcc	6000
cccgaattgg	tcccacttgt	agcatgtggc	gagcccccat	gtgagtgtgt	gcgtgtgtct	6060
gtgtgtgtcc	tgcgcgtgta	taggagagcc	cacagcgagc	tgtgtgtagg	ccggcctggc	6120
gggcgtcgcg	gctgcccctc	gccccctcct	gcagccagaa	atgatctagt	tccccaggg	6180
acaggttggg	accggtctgg	ctggcctgaa	gcctggagtc	gggcaggacg	cctcctgcgc	6240
tgtcccttgg	ccggtctccc	gctgccgctg	a			6271

<210> 12794

<211> 9266

<212> DNA

<213> Homo sapiens

<400> 12794

gcgggccgcag	ccggaggcgc	gtcggctgga	gccggtcacg	atgccccgaa	ggaagcaaag	60
ccaccgcag	cccgtgaaat	gcgagggggg	caaagggtcag	gggtcagggg	ccttgagggg	120
agaggagcgg	gggtgggggtc	agtggagtgg	gctcaggtca	gggtggaggg	ggactcctga	180
gggatgaagt	gggcgatcca	gactcctagc	ttcccaccga	ggcactaagg	gaatcagagt	240
gggtcagcga	gtacgggaag	tgtgtgtccac	gagggctggg	tcctgagggg	gaatccacaa	300
gccccctccc	ctcttcagtg	gatactgaag	actccctcga	cgaaggaccc	ggggccctgg	360

tattggagag	tgatttgcta	ctaggccagg	atctggagtt	tgaggaggaa	gaggaagagg	420
aggaaggcga	cggcaacagt	gaccagctca	tgggcttcga	gagagactcg	gaaggtgggt	480
tttcgggtct	tggttaagga	ttagcggccg	ctggagaccc	cagcccttca	ggaggcaggt	540
taggtgaaca	gaacaccatt	tcctgccaca	accgagggct	ggtttagttt	acatttgagc	600
tagatgactt	catttgttta	atggtccaat	cacttccatc	actttgttga	ggtgaagttc	660
tgaggcctgg	tcaaaggtga	taggaatagg	aggggtgggtg	aatcacatgg	agcaactgat	720
taaaagtaaa	tgccctgtct	ctctcccctag	cccattcctt	atgtgtattt	acttttaaga	780
gaggttcagg	gaagcaaact	ctctgtaaat	cattcaaccc	agtatttagg	tctaatactaa	840
ctccctttca	cctgcagcgt	aagctccttt	tgtattgaga	ggtttttagtt	tctgtcttta	900
tccttccatg	tcctctcttc	ctgtgatcct	agcatcaccc	taccctaatt	tgctgcacta	960
cccatccact	tatgcaagat	gttttttgaa	agtcattgag	gggatccatg	tataatctctg	1020
ttcttttaggc	aggcaagtgg	tattacatgc	attactttca	ttgtctccac	ttccctccaa	1080
attttgctc	agagataggt	tttattttat	atcagctcct	tactaaaagg	ggccttagca	1140
atagagctta	gaaaaagggtc	ttgggggctc	tctccctttc	gtatttttac	tttcttgtct	1200
caagaattaa	tttcattatg	gattcatttc	agtctgtgat	ccactgtgag	cccttgatcc	1260
ttgaccattg	agggaaacta	gatacaggtc	aattctacca	tcactagatt	agtcagtggt	1320
aagaggtaga	caattcatgt	tgaattttct	ggaattactg	caggggagac	cttgattcct	1380
aggagggaa	taaagggatc	atcaaagcta	aggggtggagc	caagcaagtg	gggagaccat	1440
aagtgaagag	gggagagttt	ggagcctgat	cctaccctat	gctgatgtct	cttcttatgt	1500
ctatttcacc	aggagactct	ctggggggcca	ggcctgggct	tcctatggg	ctgagcgacg	1560
atgagtctgg	gggcggccgg	gcactaagtg	cggagagtga	agttgaggag	ccagccaggg	1620
gtccagggga	ggccaggggt	gagaggccag	gccagcctg	ccagctgtgt	ggggggccga	1680
caggtgaggg	gccgtgttgt	ggggcaggag	ggccgggtgg	ggggccctgc	tgccccacg	1740
gctactgtac	tcatgccgcg	tctgcacctt	cgtgtcccac	tactcgagcc	acctgaagcg	1800
gcacatgcag	acacacagcg	gagagaagcc	gttcgctgtg	ggcgcgtgcc	cctacgcctc	1860
agccagctc	gtcaacctga	cacgacatac	ccgcacccac	actggcgaga	agccctaccg	1920
ctgtccccac	tgcccccttg	cctgcagcag	cctgggcaac	ctgaggcggc	atcagcgtag	1980
ccacgcaggg	ccccccactc	ctccctgccc	gacctgtggc	ttccgctgct	gtactccacg	2040
accagcccgg	cctcccagtc	ccacagagca	ggagggggcg	ggccccggcg	acctgaaggt	2100
aagacacacc	agggaacaaa	gatcttgagg	catgggtggc	tgaccctagg	aatgcttgga	2160
ttggattcat	agcccagggtc	tttgtcccca	cagatgctct	gctccttcca	gatttgagcc	2220
tccatgtgcc	accaggtgtg	ccagtttctt	gccagactgt	gggcagctgc	ggggtgaagg	2280
ggagggcctc	tgccgggactg	gatcagaacc	actgccagag	ctgctattcc	cttggaacctg	2340
ccggggctgt	ggacaagagc	tggaggaggg	tgagggtagt	cggctgggag	ctgccatgtg	2400
tgggcgctgc	atgcgaggag	aggctggagg	gggtgccagt	ggggggccca	cacgctgtac	2460
aaaggctttg	cctgtagcct	ctgccccttt	gccactcact	atcccaacca	cctggcccgg	2520
cacatgaaga	cacacagtgg	tgagaagccc	ttccgctgcg	cccgctgtcc	ttatgcctct	2580
gctcatctgg	ataacctgaa	acggcaccag	cgcgtccata	caggagagaa	gccctacaag	2640
tgccccctct	gcccttatgc	ctgtggcaat	ctggccaacc	tcaagcgtca	tggtcgcata	2700
cactctggtg	acaaaccttt	tcggtgtagc	ctttgcaact	acagctgcaa	ccagagcatg	2760
aacctcaaac	gtcacatgct	gcggcacaca	ggcgagaagc	ccttccgctg	tgccacctgc	2820
gacctatacca	ggggccactg	ggacaactac	aagcgccacc	agaaggtgca	tggccacggt	2880
ggggcaggag	ggcctggtct	ctctgcctct	gagggctggg	ccccacctca	tagccccacc	2940
tctgttttga	gctctcgggg	cccaccagcc	ctggggactg	ctggcagccg	ggctgtccac	3000
acagactcat	cctgaactag	gtccttcttc	cccagttttt	atacagacgg	accagaagcc	3060
acctttttct	cccccgctgg	ccaggggctc	cacacagact	aacgtaggca	ctataaggac	3120
cagcccaacc	ccatggggcg	ggggggcccat	atggaccagg	ggaccttgcc	ttgactgagg	3180
cacttcacga	gctcagtgag	aagggccctg	tattcacctc	cactgcccc	aggggctgtg	3240
gacaaaccgg	ctgggggact	gcccagcctc	ccacctgttt	atttaactta	tttcagtgt	3300
ttataataaa	ggaaacacta	acaaagccat	gtctatgctg	aattggcaat	ggcaggcaat	3360
ttggccttac	ccttagcata	gtagtccatg	ctgtgatggg	ggaagcaggg	gcagttagag	3420
ggaaccagag	gtaggcagca	gtttaatgat	gtttaatgat	ggggaactgg	gccagaccaa	3480
acacagacct	ctgcccatac	ccttggcctt	tgcatgggct	ccaagaggcc	agaagcggcc	3540
agaggagata	tggttctctc	ccaaggcagg	cagccatggg	cccttagact	ttgtgcaaaa	3600
tactaaatgc	taattttggca	tcgagggcca	gctctgaaaa	gagaaggggc	aatcctctgt	3660
gcagccagcc	cagggggacaa	ggaaaggtag	gatacagagg	ccctggccaa	gagaaaaggg	3720
gtaggttagga	aagaagaagg	aaaagacccc	tccgccccta	gcatggggga	cacaggcaca	3780
gggcaagttt	ctgtaaattc	ctctggggta	gagggcagac	atccaagcag	tggagattac	3840
agatcctcat	ctccaatgcc	ctcgaaggcg	aaattgccgt	ggacatcact	ggcactggca	3900
tctgtgctgg	gactgccaat	tcccgcgaag	ctcacggcac	tcagcttact	ctgtaacaaa	3960
ggcaggggtg	ggtcagagat	cttgggctgtg	caagatcccc	caacaaacag	caacctcacc	4020

aacgctggaa	ctcactgaga	gtttgaccat	agactcccgg	gtggcatcag	gtgactcctg	4080
gggaagaaga	ggcagaggtg	tcagaaactc	actaggagag	gtgaggcagg	gctgagagcc	4140
aggggttctga	ccaggaggta	atacttacia	gcagtgggtg	ggacttcact	gcttgctggc	4200
tgtctgagcg	tctcagagta	ccccccaccc	gccggcgag	catctgggga	cagacacaag	4260
gtgccggtga	gggcaggatc	acttcccctc	cctctcaaga	caagcctcac	atctaggaca	4320
aaaggcaagg	ggagcacacc	tgtctactgc	tcagtccaca	cttgctgcct	accttccctga	4380
tactgccgcc	agatttcttc	accatcagtt	catcaaccat	ggactgcaag	cagatgctca	4440
tcattgatagc	ctgaggggcaa	gaagagtgtc	cagcttgatg	agagtgggtca	ctctgagccc	4500
agcaccacta	atgcctccca	tattgagtac	tggaaactct	acactttaag	gtgctccaga	4560
ggagggctga	gggtagggtt	acacctgggg	gctagtgatg	gtgaccact	gtagccggtc	4620
cttgctcatg	aggtattcaa	aagccagttc	caggcgacc	tcaccccggc	cccggcctgg	4680
gctgctcgtg	cttccactgg	gcaatggtac	ctgggagagg	aaggggaatt	cggttgagtt	4740
cactctgacc	aacctgtctg	gctccctgac	ccgctgcagc	ccatacctaa	gctcaaggct	4800
tgccggggccc	ccaacccagg	cccttcccc	tcctaaccgg	actcacagag	gaggtgaccc	4860
gccagcatcg	catgccccgt	acccggaagg	agccttctcg	gagttgctgg	ccaggcaggc	4920
ggagctgcag	gctgagctca	ctgttgcccc	cgctcaccac	cacaggacag	tccttttctg	4980
ggaagtccagc	cacacaggca	tcaaagcgca	agtagccata	gtgccgcagc	gtctggggcca	5040
gtctcaggaa	ctgaaaaatg	gtcatcacat	gggggtagat	taggaggag	aatggggcag	5100
ctcagaaaaa	gcaacccccg	tcgggcgcgg	tggctcatgc	ctataatccc	agcactttag	5160
gaggcagagg	cagacagatc	acaaggtcag	gagctcaaga	ccatcctggc	taacatggtg	5220
aaaccctgtc	tctcccaaaa	atacaaaaaa	ttagccgggc	gtcgtggcgg	gtgcctgtag	5280
tcccagctac	tcgggagggt	gaggcgggag	aatggcatga	atctgagagg	cagagcttgc	5340
agttagccaa	gatcgcgcca	ctgcaagccc	ttagagggaag	acagagagga	ggcagggctc	5400
acctccttct	tggagacttt	ctcttgcaag	gatttgagtt	gccgggtgctg	ttccttggtg	5460
accaagatct	accacgcctc	aatatctgat	accgtctata	gtagagacaa	ggggcaggca	5520
gtaggaggctc	ccagtcagca	atccaaggaa	agcgtctacc	attacctctg	tccagcctga	5580
cccctagccc	cacacttgag	cgacctctct	gcagtaagtc	cttgatcttg	tcagcttaat	5640
aaaagtaggg	agagtagata	ttgtgccagc	agcactgata	gtattctagg	aacttccccca	5700
caaattggga	acaaagacac	gacagcagtt	ttcttgaggag	agttagtcac	ccgttatattt	5760
cttcagggga	aggggttctga	ggcagctcca	agctcacctg	agcataaagc	aggttcaggc	5820
caacccgggt	ctccatgaca	tcgtcatcat	aggcagagtc	ccaataactg	tgaggccaag	5880
gggtggaaaag	gggtaattggg	gctaagctgg	gttaaggcaa	gaggtagaat	ggaaaatggg	5940
caaaacagga	gcaatctgga	actatcaggg	gctaattggt	tagtgggagg	aagcttggga	6000
ggcttggcag	aaacacccag	cactacaccc	ccttgctcag	attattctgt	ctcaatatgt	6060
ggcccaataa	tccaatccag	cacagcactc	cccacccctc	cccttccagg	cccagccctg	6120
acctcttctc	tagcacaatc	ttatactctt	gactccgaag	gctgggtgaca	gacacataag	6180
gcagctcaaa	ctcttgcaac	ttccgtacaa	ctacagggtta	aaaaaaaaaa	aatgaaaata	6240
tagtgagatt	taaaggaagg	gaaatcaaga	aagaagtgcc	ctgaggcaat	gttcattctg	6300
gggggtggggg	tggggagtt	ggggggctgc	aaactctact	gaagtaccct	tgtactgcag	6360
tcaagtccag	agaaactcac	aagaaaaggc	tccatcctct	ttttctcgaa	ctaagaatag	6420
actaaagtat	ccaatcaagt	catctggaag	atccagcttt	gcagctacag	cctgggggata	6480
gggatagaag	tacagctcat	catactggct	ggttccaatc	attctccaag	cccaggaccc	6540
caggatgtag	gggaagaagg	ggcagtcgtg	aacaagcgcc	tcacctccag	gacatcctca	6600
gtctgatctg	aagttagcac	gttgaccaga	acttcttgcc	cgttgctgag	cagcacttcc	6660
aaggacactt	cctctgtggg	gacctgctgt	gtctcctggt	gtgagcacac	atggggatgg	6720
gaagcactgc	cttgctccct	gccttgacct	atgcccact	ctatttctag	gtcccttggtg	6780
tgtctttatt	ctcagctgct	taaatatagg	ctgtgatttc	tttgatttca	taagaataga	6840
agttccattc	cattaaaaaa	gatgactcct	ctgttattaa	gatgacatgg	cctggctggg	6900
tgtgggtggct	cacacccgta	atcccagcac	tttgggaggc	caaggcgggt	ggatcacctg	6960
aggtcaggag	ttcgagacca	gccaggccaa	cacggcaaaa	ccccgtctcc	actaaaaata	7020
caaaaatgag	ccggacattg	tggcaggcgc	ctgtaattct	agctacttgg	gaggctgagg	7080
caggagaatc	gcttgaatcc	gggaggcgga	gattgcagtg	agctgagatc	gcaccactgc	7140
actccagcct	gtgcaaaaaga	gcaagactct	gtctcaaaaa	aataaaaagac	atgaccttcc	7200
agcaaggctc	tttccctaaa	tcttggtccc	acccaaagcc	ctacctgttg	tgcccgacgc	7260
aggaaactgt	tgaagtctc	gctgctccca	agcaatgggt	cttgccgaac	tacgaggaca	7320
agagaacatt	attacaggaa	cttagcactc	actcttggct	ccccagtcct	cctctcagta	7380
ggttcccccg	accccatctc	ctgggctgat	ggtggcctgc	cacatcccc	agctggcctc	7440
acctcactca	ctgtttgcat	aaattcttca	cctgccccac	ccttggtgct	catctagggtg	7500
agtccagttc	atagaactag	ggaaataaca	atgatgttaa	tctaaagcac	atcagatata	7560
aattaagttc	tctccactga	tattaagact	agtgttatac	tagtatttct	catagatggt	7620
agtgcccaaa	ttgttttgct	agtacacaga	gttacacatc	ctcgtacact	atttactttg	7680

ctaactgcat	aacagatcaa	acaagagcct	tcctagatct	agaaattaaa	tcaggccctt	7740
ccacagaacc	agctgttttt	aagtctctcc	ccatagtcct	caatatagtc	aacctagttt	7800
cctgcaacca	ctcaccagct	tgcatgtact	tctctaactg	ctctctcctc	tggtctacct	7860
cagcaggagt	cagagagaaa	agcttctttg	gggggaatgc	aggaagcaca	ttggcccat	7920
actccttccg	aagctattta	gagaaagaga	tacaaccctt	cacataaaca	cagaaaatga	7980
gatgaggcaa	tctacatatg	ctcataatgt	tctcttgggt	gcccctccct	tccctcagtc	8040
cctgttcccc	tgtctaccct	ggcatctga	gaaacaattc	ctttgacagc	ggtagcacct	8100
caagggagct	gtcctagata	taagttgtgc	tctattttac	tgtgtacaag	tcagcccctc	8160
cacagtacgg	ggaggatttg	tactgggcca	ggacctatag	ggagcccctt	gaccacctag	8220
caagactgtt	cactgaaccc	ttaaaggaag	gaaagggctt	tataaagtgc	acagttaata	8280
gctaagtctg	ttcacaaaat	atcttaggac	ttaaagggac	tttgacagtc	aaagaatcca	8340
tctttcagtt	gtagaaactg	aggcccaaag	aatcagttt	ctacaggcct	catgcctgta	8400
atctcagcat	tttgggaggc	aaggtgggtg	gatcacctga	ggtcaggagt	ttgagaccag	8460
cctggccaac	atagtgaac	ccctctctac	taaaaataca	aaaattagct	gggtgtggcg	8520
gcagccgcct	gtaatcccag	ctactcagga	ggctgaggaa	ggagaatcgc	ttgaaccag	8580
gaggcagagg	ttgcagtga	ccgagatgtg	ccactgcact	ccagcctggg	caacaagaga	8640
gaaactccgt	ccccaaaaaa	gatatcaggt	aacttgttca	gggttgacac	actaattatc	8700
agtggagctc	tactgagtta	aatagagttt	aagatctggt	aaggaaggag	gagaaacatt	8760
gcatcacaga	tacataacga	taattggcac	agctaaacac	actgaaatga	gccgaagaac	8820
acaaaaggaa	atcgggtgaat	cgtttgtata	agcagggaaa	agaatttcaa	gttgccgctc	8880
agatgacaga	aggaatgtgc	tttgacagcc	tgggtggagg	tagtgggggg	aggggttggt	8940
ttgtccatgc	aggggtaaaag	gctactagag	cagtaagact	ggacagaaaa	ccagaatata	9000
agaacaggaa	ggagcagttg	ttgcgcggac	attaagcttc	ttagggagtt	cccggaaatg	9060
tcagacaaga	taaaccaggg	ccctaccctg	tggcagtgat	taaaggggaa	ctacagccta	9120
cgggaacaag	aagagcgggt	aaagggagac	actgatgtcc	acgtgtaggg	aagggcttga	9180
agctgtctca	aggcaggggt	gctagtccca	cctgctcgtg	cagccccagg	agctggctgt	9240
agcgcacccg	acagtgcagg	actcca				9266

<210> 12795

<211> 27289

<212> DNA

<213> Homo sapiens

<400> 12795

aacgctgtcc	aactgggcgt	acgagtttga	caagtgggcc	ccctccgtgg	tgaagggtgc	60
ttacaaggta	ggtcacagcc	actgaggttt	cctctcttgc	tacggagggtg	caggcggtgg	120
tgggcaggac	gtccacacat	acctctggac	agtgaacctg	agaatgctgg	gtctccagtc	180
gcatggagtc	tccaggacag	cctggaactc	cagtcacatg	gatccgggag	tttgactgg	240
gcagggacag	ggcagattag	ctcactgggg	aggagacagg	agtgagcatg	gtggccagca	300
ctcagaggcc	agctcaggcg	cctgagatgg	ggacccagga	agaggggagc	ctgtcagcca	360
ccaggaatgt	gcagatggcg	gtgcaggctg	cgtggttccc	tcaggccccg	gccgccgctg	420
gcctgcactg	cttctcttct	cccctgcagc	cgtggtgagg	cttggggagg	tctggggacg	480
cgccagcggc	cctgccagcc	cctttcccca	ctacccctgt	gaggacgagc	cctcccggcg	540
tgctactggg	cagttgcagg	gggtgcctgt	gcccctcttg	ccacctggcc	acccggctcc	600
aaaagccgag	ctgtgcatcc	tgcttccctt	gcagggatcc	ccagcagcaa	gacgggcctt	660
tgtccccag	ctccggagtg	ggaagttcaa	cgtcttggctg	acgacgtacg	agtacatcat	720
caaagacaag	cacatcctcg	ccaaggtaac	gtgtccctgt	gggaaatgcc	aggccatggg	780
ccgagtgtct	acacgtgggt	cacgctgccc	gtctcctcca	aagccccctac	aagtttcttc	840
ccggagtccc	acctgcatgt	gcgtgaagac	agctgccttg	tgtaggggaa	aggcctaggt	900
gggggcgacc	tcaggttttac	ctccctaact	gtctccaggc	aggccctgag	tcaggcccag	960
aagctggggc	catctacaca	gcatgcgctc	tgcctcctct	cgggccttct	gcccagagag	1020
cctcagcacc	aaggcgtctc	ctgaccgcgc	tacagagtcc	ccatggggcc	ttggccagac	1080
cagtcttgct	ctcctgtctc	attgccttgg	cgttccctcc	ctggggccct	ggcttctcac	1140
cacaggccat	gggctgagat	tcagcatgtg	ggggagagct	cgagggccaa	ataccatgac	1200
tgctgtctgg	ccttgggagc	ctggttcggg	ctgttctgtg	agggctctac	tgtcctggaa	1260
gcctcttctg	ggacgaaact	gtgaaggag	tcccagcgtg	gccatgactg	agaatacggc	1320
ccagatagaa	aacagacata	gcctctgccc	tccaaaaact	catgttcttc	atltgaggag	1380
gggtaaagat	gtacctgggt	tcacccttaa	acatccagct	gagtgaagtgt	tgaacagtag	1440
agagtttttt	gcgttttgggt	tttttttttt	ttgagaccga	gtctcgctct	gttgcccatg	1500
ctggagtgc	gtgatgtgat	cacagctcac	tgcaggcctg	acctcctggc	ctcaagcgat	1560

cctccccct	caccctctg	agtagctggg	actacaggtg	tgcgccacca	ctcccagcta	1620
acttttttaa	atltattttt	tatggagatg	gggtcttget	gtactgcccc	ggctgggtctc	1680
aaactcctgg	cctcaaggaa	tcctctcgcc	ttggcctcac	aaagcactgg	gcaactgtgt	1740
ctggcctaac	agtagagttc	ttgacccagg	tatgggggga	tggaggagct	gtttatgggt	1800
ggctccgcct	ctcagtgcac	ggctggagtg	acagtactgg	aatactgggg	ctgtgaactg	1860
gggtgtttct	tttctttttc	tcttcttttt	tttttttatt	gagacagagt	ctcacagctg	1920
tcacccaggc	tggagtgacg	tggagcgatc	tcagctcact	gcaacaacct	ctgcctcctg	1980
ggttcaagtg	atttctctgc	ctcagccttc	cgaggactgg	gtgctttatc	ccggagccaa	2040
caagggagga	aactgaggcc	cagggagctg	ggatccccac	gtgcaggctc	ttacctcagg	2100
tccatgcttc	aggtgcctcc	tttgtggctc	acccctgctg	actccttaca	aagccaggcc	2160
gttggcaggc	acaggaacca	ggctctgaaa	ccccgtgctc	ccctgccagt	ggctcagttg	2220
atgtaatcac	cctgcagtgg	gagtgtctct	tgagtgcggc	cactgcgccc	cctcccgacc	2280
cgcatggccc	tgtatgtagt	ggcgctggcc	cctaccccat	ggggcccaca	ttctgaacca	2340
caggctgctc	attagaaatg	taccgtcacc	aaccagtttc	ccctgagacc	ctccacacca	2400
gcaggacaag	tccccagtc	agcaagatgt	gtcttctgcc	agaacgtgct	cggcattttt	2460
ctgtgctgta	gattcatatg	tgtgattttg	caggggaagcc	agattgcttt	tttgcaattt	2520
gcattgttca	cctgccaaata	gtcatggggt	cacgggcttg	tctctgcccc	aggcttgcaa	2580
gaggctacgt	tgtgtggctc	caactcgggt	agtcagcccc	ggggcaggac	gtcaggcctg	2640
tgctctccac	ccagctgcgc	tcttccacct	ggagccttcc	tggctgctgg	gcgcagagtg	2700
ggagattctc	cccatgtgcc	gggccacctg	ctgccccctg	ccctgattgc	ccactctggg	2760
gcccgcagat	ccgttggaag	tacatgattg	tggacgaagg	tcaccgcagt	aagaaccacc	2820
actgcaagct	gacgcaggtg	ctcaacacgc	actatgtggc	accccgccgc	ctgctgctga	2880
cgggcacacc	gctgcagaac	aagcttcccc	agctctgggc	gctgctcaac	ttcctgctgc	2940
ccaccatctt	caagagctgc	agcaccttgc	agcagtgggt	taacgcaccc	tttgccatga	3000
ccggggaaaa	ggtgggtttg	cccagctgtg	cccatgctga	cggttccagg	tgcggctggc	3060
tttgctgggt	ggaacgtgtt	gagcaccagc	tacagctggc	tgggcctgtg	ctgggtgcct	3120
ggtgagagtc	tgcacttgca	tggagcaggg	gagccctgga	acccaaggct	ggggcagcca	3180
caagggcccc	aggggagcag	ggcagaggtc	atggtgggtga	atctcggaat	gctcggggcg	3240
tctctgaccc	tatgctccag	gtgcagagtg	gatggtgagg	aagatggccc	tgaggcagct	3300
gtgggaccgc	aagcgtgtgg	agagcacagc	tagaggctgt	agcgtgctgt	aggccccctt	3360
aggtgcccctc	agaactcacc	ctcagggcag	tgggaaggaa	acttggaaga	ttccagttag	3420
cggggccaca	tggtcaggtt	ctgtcttacg	ttgttttcaa	aaagctcagt	ggccagtggt	3480
tctcaatgtc	tgggtggcac	catcagccag	actgtggcat	ggcagcatca	tcattgatga	3540
gtggtccccc	accagcactg	atccctgagc	ctagagctcc	ccagatgctg	aagtgtgggc	3600
tgtgggacag	actgtgtttc	ctgctgaggg	gtttaagtaa	ccagatgctg	aagtgtgggc	3660
agaactacag	aggttacctc	gaagtgccct	gcccagcacg	gctgggcccc	cccccttctt	3720
cccaccttag	acaggtccag	ggcagctggg	gccttccctg	cctcatgcgt	gagttccctg	3780
ccctctcggc	tgctgggtcaa	ggcagagact	cttctgatgg	cgaaaccgag	gcattcccca	3840
aagcctcgtg	ataaaggagt	ccccaatttt	tagactcccc	ggacccccac	actaaggggc	3900
aggatctgat	gctatagttt	tgtcactttc	tgagccgagc	aaaagctctg	ccaaaggatt	3960
gccagggaag	caatagaaga	aaagtttttg	cgctgcttca	ttttccttta	acttttttaa	4020
ttaaaacatt	ttaaaagtta	attattagta	gaggagttag	cgccgtggga	ggtcagggtt	4080
tctttcacct	ggttccaccc	aggctgaatg	agagtccctt	ggggctcccc	gtggcagagc	4140
cctccctgag	aatcacccgc	tataagcccc	atgtgggtcag	cctggccccct	gcagcgctcc	4200
tggcatgagc	ttggcgtggg	gtgggtctgt	ggacactcca	gtttgtgtta	ctcgtggaga	4260
agcagcatgc	ccgctgccgg	gggtctttct	ggtgaggcac	agggagcaga	gtgctctggg	4320
tactgcggtt	ccatgtccca	ggaattacat	ggaggggaacc	agatcctcac	agtttcttaa	4380
ggaagagggg	gcccgtgctg	gctcccagaa	agcataaagc	aggctgaaaa	gccacgtgcc	4440
aagggaaga	tcacccagg	ggaccccgct	caccctgtcc	ccacatccgc	accttctagt	4500
gagacctctg	tcgccctcct	ttggaggtaa	cgcttgcttc	tcctgtcttg	ggggcttcca	4560
ggtggacctg	aatgaggagg	aaaccattct	catcatccgg	cgtctccaca	aagtgtgcg	4620
gcccttcttg	ctccgacgac	tcaagaagga	agtcgaggcc	cagttgcccc	aaaagggtgat	4680
ggagttttga	ggggagccac	cagtgaagca	gcctcacgtg	ggggctttct	ccagggtctg	4740
gcgtgctcag	ggcctctccc	cacagtccca	ggcctgccct	ggtcaatcca	gcttgggggt	4800
ggcgatgacg	ccactgggtc	tgtaaagccc	tgtgctgctg	ttgtagggat	tgaaaagcac	4860
tcataggctc	acatagctca	caatagggtta	gagcacaana	tcccacttcc	tgtcaggggg	4920
ccaggtgcct	gtgcgggctc	tcttggccac	atcaggaggg	gccgtgggct	tgggggttgc	4980
ccccggcccc	ccatcatggc	tctgggtttt	caaggcctgc	tgcagccaca	ccccgtgggc	5040
cagttccccc	agcaagaccc	atggactcgg	gtgccccggc	tgcagttgtc	cctcttggtc	5100
ctttgtttcc	tggctggctg	tagagaggcc	cccagaagat	ggctgggggg	cccttctctg	5160
cccagtaacc	ctctgggtatc	tctgcctggg	gcttctctct	attgcccagg	tctccccctt	5220

tctccccagc	tgtgaggggtc	tcttcaccca	caccccagtg	tgctctgggtc	agagctcata	5280
tgacaggggcc	gaggggggtca	gagctggggtt	cggatggggg	gagtcaggcc	tcaagccacc	5340
ttggggccctc	gtgagcatta	tgtgtcccct	gcaggtggag	tacgtcatca	agtgcgacat	5400
gtctgcgctg	cagcgagtg	tctaccgcca	catgcaggcc	aagggcgctgc	tgctgactga	5460
tggctccgag	aaggacaaga	aggtggggccc	cagagtcccc	caactgcatt	ccccactggg	5520
tgtccaaggc	cggcagcgtg	gcaggcagag	cagagcgtgc	tctgaccatc	gggtcatgat	5580
ctggatcatga	tccccagggc	atctggccag	ccctgggtat	gatggctggg	ggcttgtgtc	5640
aggacacact	gactcagctg	ccagtggctt	ctcctttgcc	tatgaaacac	tggtccttc	5700
tgcaattggc	agcctggggcc	cagcactaac	cccagcaggg	ttagagtgtt	ctagaatgcc	5760
ccccctctct	gttattaagt	gaaaggaagg	gagcggggctg	tctcctgcag	gggctgctct	5820
gagaatccca	ggccccaggc	cccacctgcc	tggtctctct	caccagcagt	gaaattatcc	5880
tcccaggaaa	tgcaccagac	cccttgattc	tgcccccaag	gccttgacct	cggcctggct	5940
tccccgagac	gttggtgtctg	tgcccccttct	cccctgagct	gagcagcagt	gtgttcctta	6000
gtccattccc	agcccagagc	atgcaccccc	cgccccgccc	ccacctcctt	cctcatcctg	6060
gagcccaggg	agccctgagt	catggctcac	ccggctgagg	ccctcttgcc	cagctgagac	6120
cctctaggga	ccccacagt	aacagtggcc	agaacaaagc	tggtatcaca	aagcatcggg	6180
gactctgcct	cagccctttg	ccagtcttgt	ttccgtcccg	tcctgctggc	cctgtccctg	6240
ccatctgccc	tctgctgtgc	caggcagtc	tttgtttccc	agggcttgtt	gggggcctcc	6300
gggcctccag	cctgccatct	cctcactccc	aattgctgtg	ccaaaagcca	ctcttcccca	6360
ctagagcgtc	cccatggccc	ttctcccaac	acccacccat	ccaccaagcc	cacccccacc	6420
caggagggca	agaccccat	tgggtccctc	tcctctgcct	tccagggcaa	aggcggcacc	6480
aagaccctga	tgaacaccat	catgcagctg	cggaagatct	gcaaccaccc	ctacatgttc	6540
cagcacatcg	aggtgagccc	gccgcggctg	ggacggctca	ggccctgctg	tctgctgagc	6600
tcctaggcag	agctggcttc	tcctcgacag	ctcttttaaaa	acagactcga	atattttcat	6660
taggtaatgc	ctgtacatct	gtctctcatt	tggtcttcgc	ttcaccagt	cttacgggaa	6720
gaatcccgag	agttaggcg	caacgtgcga	taggaatata	gggccctgaa	agcttgccct	6780
cagagagcag	gagcgtttgg	agactttctc	ggggatgtgt	ccccccacag	tggggctcctg	6840
ctgcgtctct	ttgggtcact	ggctttttctc	acgttgcggg	gcgtcaagag	tcaccaccgt	6900
cttcagtga	gtgtggggga	gtcagaaccc	tttttggtca	tggtggcttt	gagaatctgg	6960
gttcttagaa	gcatgcatat	gttcgtgttt	cttggtgtaa	agtgtcagg	tcgttgagaa	7020
ccgcctgctg	ccccgagagc	ccctggggct	gtctcagcac	cctgagcgtg	gctgtggccc	7080
catgacgtcc	tcgtgcattc	aggggtgtga	gagtgtctga	tgggatgtcc	tttccctcgt	7140
tggaggatg	tgagggaag	gatgtcagtg	gactaagaaa	gatggttttg	gcatctgtgt	7200
ctggctcag	agccgcctg	ggcccgctgc	gagcacacag	tgtgggggct	ttgtcctctg	7260
agcacgagcg	gtgtgtgcgg	accgcagcgg	ggccccgtgg	cctgctcctg	cctgtcactg	7320
acccctctct	ccttgccctg	caggagtcc	tttccgagca	cttgggggtt	actggcgcca	7380
ttgtccaagg	gtgagaagct	tcccaactgg	atgggggtgg	cagggtggct	acccagaggt	7440
tttctgtcgt	tttgttggct	ttattgtctg	tggtatgttg	tccaatttca	aaggcagaaa	7500
attagaaaat	acagaagaat	ccaaagcaaa	taatacaaat	cttttttttt	tttttttttt	7560
gaggtggagt	tttgcctctg	ttgcccaggc	tggagtgcag	tgacacaatc	tcggctcact	7620
gcaacctctg	cctcctgggt	tcaaagtatt	ctcctgcctc	agcctcccga	gtagctggga	7680
ttaccggcac	ctgccaccac	ccagctaatt	ttttgtattt	ttagtagaga	tgggggtttca	7740
ccatgttgac	caggctgata	ttgaactcct	gacctcaagt	gatccaccgc	ccttggcctc	7800
ccaaagtgtc	ggaattacag	gtgtgagcca	ccgcgcgcgg	ccccattata	caaactttta	7860
gtgcttggag	agctgaccac	tattaacccc	aagagacagg	attcctgagg	cagacctggc	7920
ttacagatcc	cactctgccg	cctccaagct	ctgtgactct	agacagcttt	cttaacctct	7980
ctgagcctaa	actctgctca	ctagtacaga	ggcactcttt	acatcatgtg	ggtgttttct	8040
atagcacctt	ttgtaagggg	cagcccagac	tccttttaagc	ccctaattgga	tgtggatgct	8100
gtgtctagat	tttcaccatt	gcaaagaacc	ttgctaaaag	cattcttcca	gctaaagcct	8160
ccattcaatt	cccttggggg	agtaagccat	ttgcaagaag	agaggcgct	aatgaaaaca	8220
tcacaaatc	tttttgatgt	gtttttttat	actgagttgt	ggaacagggt	cctgtacacc	8280
tggcttcaag	gctgggaggc	ctggccttga	catgtgggtca	gccatatcac	gtcgtcccc	8340
tgccagcctc	agtgtccaca	tctacaacac	ttgggggttg	gctggagaga	acatgagaag	8400
ccgaggtggc	ccttccttct	gggtctagca	gagcatgggt	gtctccagt	tggcatttgc	8460
tcctggggct	tctttatcgg	gcaaggggac	aaggtctggc	ttcccggagc	atccctgttc	8520
cagccccgtg	ttgtgccggc	catgtgactc	acagctcctc	tcattttcat	gagtgtctgg	8580
gtttgacgag	aaatacatgt	gccaccctgg	tgatacgctt	ccccagcgag	ggtggccggg	8640
cttatttcag	ttgggggaaa	tggtcttgc	gaagctttgg	gtgggtgacg	tctgcttagg	8700
atgcattgtc	gtgcccttga	acccggcgcc	tggtcctggg	gcgggcgatg	cacctcctgc	8760
cttacctgcc	tgcagggttc	caggtttaac	atcctgcgcc	ttctctcctg	cctcctccac	8820
actccaggct	ggacctgtac	cgagcctcgg	gtaaatattga	gcttcttgat	agaattcttc	8880

ccaaactccg	agcaaccaac	cacaaagtgc	tgctgttctg	ccaaatgacc	tccctcatga	8940
ccatcatgga	agattacttt	gcgtatcgcg	gcttttaaata	cctcaggctt	gatgggtgagt	9000
atgagccagt	gaggcgtttc	ttacaggggt	ttgttgttgt	ggctgccaca	gaagctcctc	9060
actggcattc	cctcctgtga	ggcaggggtga	ggcccaggcg	ctctgggtcc	agtggccaga	9120
gtgggcctag	ccacaggctg	agcatcttgg	gcactcggca	ctgggacagg	ccgtggattg	9180
gacgcggggt	gtcctgactc	ctaggctgac	agtctttcca	cgacaatgct	gggcgcactg	9240
gggaaggggt	gccctgtgca	cttttagctg	gaagtgcacg	aattccatac	catgtggaca	9300
caggaaagaa	agcaccaata	ggcttacata	gctctaacc	caggagggtta	aacatccttc	9360
aggcacagct	ggatccaggc	atgcagggtga	tattggagag	acttttctcc	agctctttgc	9420
tctgccttct	tccatcttgg	cttcctttcc	acctgctcag	tgtccccaac	aaaggcaggt	9480
cccaggctgg	ctctcattta	gctgctgtga	gccgcagtgc	catccctggg	ccattcgtag	9540
cagcccagtg	actgccacct	tgccacaggt	caggcctgga	cctggaatca	gactctgtgg	9600
tgagcacgga	gggagggaag	caagcactgc	caggcaggag	cagcagctgc	cgtagagagg	9660
ctctcagccc	aacccccctg	cctgcgggtcc	ctgatgggaa	aggtcaccgc	ctgtgtttct	9720
gcgcctgcct	gccccagcac	acgggagctc	agggaggaga	ggctgtgaga	tgccgcacag	9780
gcacgtgaga	catgtctgtc	agtcccagtg	ggtcaggag	ccctggagtg	agttcttcgt	9840
gggagttact	agaactgggc	ttacgagaaa	cacgagcatg	agctgctgag	acagacacgg	9900
ctcagccagt	ttgttgttcc	ctacacgacc	tcccagagcc	tttgttgaag	ctcctgtgca	9960
aggtctgtct	cacagcagga	caccccagac	ctccataccc	cttgtcccgt	tgatcacttg	10020
gacctgtgtt	tgctggggcca	acctgcccag	gtgccaccgc	gagtgtgccc	tgtgtgtccc	10080
tccaaactgc	aggtcctccc	cgggggttctg	tccaggacca	ctctacagac	acgagtctgt	10140
tgcaggggtc	tccccggcct	gccttcttcc	ttggggggtt	cccactttca	gctttgagge	10200
tgaaaaccaa	aatccttcag	ggctctcatg	gccggggccac	ccccaccct	ttcctctcct	10260
acggtctctc	cagcggcttc	tcccctcctc	gagagggcca	aggcttctctg	agggccatcc	10320
cgctgtgtgc	gtgtccctga	ctccccagg	agagagcctg	gttcccaccc	atcccagtg	10380
ccttctgcct	actccataag	gacaaggact	ttggtcagtt	gaactacaga	tgtgtcctct	10440
gcatgtgatg	tggtcatggc	cacagggcca	gagaatccat	tgcgagtaga	ggaagggtag	10500
gagctcagtg	aagtctcctg	agactgcac	tcccatgggt	gggctggcat	ctgggagccg	10560
ggtggcccc	cacctcagcc	cctcctccga	gctggagtag	caggggcaca	tctgggtgct	10620
gagagagggt	gggacggcag	gtggatggcc	aggctactgt	gggcttctgc	accgtgcctg	10680
ggcatgtgta	ggctgggtgg	aggaaatggc	cagtttttat	ttcttctttt	ttttgagacg	10740
gagtttca	cttgttgccc	aggtctggag	gcagtggcat	gatctcagct	cactgcaacc	10800
tccgcgcct	ggattcaagc	gattctcctg	cctcatcctc	cctggatatc	gggattacag	10860
gcgcccgcga	ctacgcccag	ctaattttct	tgtattttta	gtagagacgg	ggtttcacca	10920
tggtggccag	gctgggtctg	aactcctgtc	ctcaggcgat	ccaccacct	cagcctccca	10980
aagtgttggg	attacaggca	tgagtcaccg	cgcccggcct	gccagttttt	atttcatacc	11040
caaaatgact	tcagtgttca	ggggcacctc	tgtccgaact	cccagcagcg	cagggagtgt	11100
tgacattgcc	ttaatgccc	caacgctgag	ggcatcgtgg	gttgtcaccc	aggagacctg	11160
ctctggctcc	ttgacttggg	ttttctgggg	catggggaca	ctgatcctgc	cagaaaggac	11220
acgagccccc	tttataagg	ctccatgctt	ttaccgtaga	agattctctt	tgtgaaccac	11280
aaaacttttt	gagacagggc	tgaaggcagg	tgcaccaca	gtcactgtcc	accaccccc	11340
aggtcccttg	tgttgcgagc	ggcgggtgtg	ccggcatgtg	ccgctgtgtc	ttccgctccc	11400
catggaatgg	cacagggtag	agtagaggag	agaatccagg	gctgtgggtg	tgggtgctgt	11460
gctgacgtg	gacgtgtgg	cctagctgtg	ggctgggtgc	tggactctgt	gctccaggcc	11520
cacctcctct	agttctccca	gcggggcctg	ttttcatttc	tgggatgtgt	ggagagacgt	11580
tttgtgggtga	aacactggaa	atccagttat	tcgccagtg	cccacaggcc	cgtgtggaga	11640
gtgcggagcc	agggatctgg	ggatgctggc	aggtgctgat	cctgctcctg	ctctcagaag	11700
caggtgttcc	ttggtgtccc	cactctaccc	ctgaggtcac	cccgtgacc	ctgttctcct	11760
ctgtgcccg	caggaaccac	gaaggcggag	gaccggggca	tgctgctgaa	aaccttcaac	11820
gagccgggct	ctgagtactt	catcttctct	ctcagcacc	gggctggggg	gctcggcctg	11880
aacctccagt	cggcagacac	tgtgatcatt	tttgacagcg	actggaatcc	tcaccaggt	11940
aaagcgggcc	gggccccagg	tcgaggagaa	ggaagggggt	gcctgcaaaa	cctcgaggag	12000
acggccctgg	cttgagggtc	ctccagcctc	ctccacattg	tcttgacc	caggagccgg	12060
gaggagctgc	acccatatct	ccataggtca	tcaggagaa	aagaggcggg	gtcctcctgt	12120
ttcccaaaat	acaaacagcc	tttccctctg	attgggaaag	cagtgtataa	gccatccgtc	12180
ggtttggttt	ttcttaaate	ttggaatggc	acccatgagg	aggtggaaag	tatcctgatc	12240
aatctgcgcc	gtcactgtgg	ggcggcccc	gcagtgtgcc	ctgtgagcac	acacactggc	12300
gcttgttcag	acacaattgg	gggtaaactc	catgccactt	cgtttacttc	ctcctcttgt	12360
tccataacca	tgtacccctc	atgggcctcg	gcacgggtgg	ataccaggtc	atgctgttac	12420
atagctacaa	gaatttgaaa	atgagttaaa	cttttctctg	tgtttcatta	taagactgat	12480
aagttcttat	tgtttttaac	atgtaaaacac	cagtgcacgt	caggagtccc	ttttcccttc	12540

ctctccaacc	gtgctctctt	ctgagcctct	gccagcccat	ctgccttcgc	acatgtatgt	12600
actgagatta	acacagatgc	ggcgtggcct	agcatgtgcc	tcttccacca	agcagtgggt	12660
gtcaaccgcc	gagtgcacat	cggaagctac	ccagccatct	aatcgggcac	caggcgctccc	12720
ggcagatggc	cacccttgga	cgtctgctct	caaactctgg	ttggcaggca	tccgtctttt	12780
ctgttgatca	gcctggtcac	caaccagca	gggtccctct	ttctctcaga	gtgcttgatg	12840
aaacacccta	ggtctgcgca	gccctcagac	atggggctgc	tccaccccag	acattgtcct	12900
cttcgtgttc	tggttgctac	tgccaaagtg	gtttcactcc	tacgctgggg	tgtgaatgta	12960
ccctgccctt	ccctcgagcg	tgagggcagc	agcgttctca	gtgtgtaaat	tgtcgcttgt	13020
ctgatgggtg	aatgccgtgg	tggtcactgg	tggtcccttt	tacgatcagg	ctgggggtgta	13080
gcttctgccc	agaccctggt	gaccagccag	tttcttagga	ggtgggtgag	ttgtgtgtcc	13140
ccgttggcag	gccggcagca	ggcggaagct	gcacctcagg	gctgggggag	cggtggggag	13200
ggctggccct	gccaggaagt	gtgctgacag	ggcaggaggg	ctgagcggca	gacacaaggc	13260
actcctggtc	cccaccagct	gtggcctctg	ccaccccatg	ggtgccagtc	ttaagtttca	13320
gagcatcact	ggtactcacc	ctggctcctg	agctcctggg	cccagagaca	ggatttctgt	13380
ttagcctcct	cgtactgtgc	tgggggtgat	ataaaactaa	caaccaggc	tggacgcagt	13440
ggctcacacc	cgaaatccca	acattttggg	aggccgaggt	gggtggatca	actgaggtca	13500
ggagttcgag	accagcctgg	ccaacatggc	gaaacctgtg	ctctactaaa	aatacaaaaa	13560
ttagccaggc	atggtgggtg	atgcctgtag	ccccagctac	tcaggaagct	gaggcagaaa	13620
aatcgcttga	acttcgggag	gcagagggtg	cagtgcagct	agatcgacc	actgcactcc	13680
agcctggggc	acagagcgag	actttgtctc	aaaaaaaaaa	aaaaagaaaa	aaagcccctc	13740
cacggcacct	gcattgttgg	gagctaactg	caccagtcac	tggggccacac	tccctgggtg	13800
tattcactca	ttcgaggtat	gcagtagcca	cgggttgggc	cccatgtagg	ctgagggagt	13860
tttgaggctc	acagaggtga	gacctgggtc	cggttctgtg	tgcactgtga	gagtggcagg	13920
gcccacagcc	aaaccaagca	ctgccacaac	acggccgagc	ttcggccccc	tgttgtaaat	13980
ggtgctcgac	tgtgtaggtc	cacgctgtgc	ggagctgtgc	cgctgccacg	ggagctgcct	14040
gagaatataa	tcccctgggg	ggttgggtgg	ttcttcccca	atatctgtgg	ggtcccaata	14100
aggtagaagg	tggcacttct	ggaggaacgt	gatgagagtc	cccttcccc	gagggacaca	14160
tggcgggcca	ggctccacca	gctctgtttt	catgcggcgg	caggtcaggc	tgggcagaa	14220
tgtcaggccg	aggggtggc	gcacagcaca	cctctccagc	tagtgtcaga	ggccaccttc	14280
ccttttatga	cctcctgggc	tcctttggga	ctgactggca	cctcttcccc	caggacctgc	14340
aagcgcagga	ccgagcccac	cgcctcgggc	agcagaacga	ggtgcgtgtg	ctccgcctct	14400
gcaccgtcaa	cagcgtggag	gagaagatcc	tagctgcagc	caagtacaag	ctcaacgtgg	14460
accagaaggt	gatccaggcc	ggcatgttct	accagaagtc	ctccagccat	gagcggcgcg	14520
ccttctctga	ggccatcctg	gagcacgagg	agcaggatga	ggtgagccca	gcaccggccc	14580
cgaccctctc	ccagcgtgaa	tgggtggacg	gtgagcggct	ttcatttttg	tttttttacc	14640
ttttttgcac	tcttattttt	tttgcatccc	tttgaggtaa	agggagtgtg	ggctgaacgg	14700
aaagaggatg	agtacttgct	ttttctttga	agtggttttt	ttttctaaac	tgctgggtgaa	14760
agacgccgga	ttgacagccc	tggagactga	agtcctctat	ttatccacag	agcagacact	14820
gcagcacggg	cagcggcagt	gccagcttct	cccacactgc	ccctccgcca	gcgggcgtca	14880
accccgactt	ggaggagcca	cctctaaagg	tgagaggggt	agttcagtct	ccatgcccc	14940
tcaatcctcg	gcttctcggc	tgagacggcc	agcaaggggc	ctggtccccc	ggagcgtgag	15000
tgtgcgtgtg	cgtgtgtgtg	cctttcgtct	ccgtgtgggt	ccccatccac	cgcagccgtg	15060
ccgggaccac	cagctcattc	ccacggacgc	cgccctcgcg	ctctgagctc	ggccggccgc	15120
caccccgccc	cctcctcagc	ggcactgaca	gtttgcaatc	ttataggagg	aagacgaggt	15180
gcccgcagac	gagaccgtca	accagatgat	cgccccggc	gaggaggagt	ttgatctgtt	15240
catggtaagc	gctgcaggct	ggatggggca	gttcaggcat	cccactctgc	tgccaccagg	15300
agcaaagcag	acgtcctagt	gcccattggt	gtatccctag	caggtcaggg	agccagggg	15360
agctcacagt	gcagcccact	cccacctcca	gactgaccgc	tcttccacc	ccagtctcct	15420
gaggatggca	tcggaggggc	agatgcacac	ccagccttct	gcagtgtacc	cgagacctgc	15480
cccaccagct	ctgttttcta	acgggctctc	cagggtctca	tgactccct	ttcagaggga	15540
gttcgcctta	tccaaggcca	agggactgac	caggccttca	gtcgagagc	ccccttgccc	15600
ctgggtggga	aacaggaaat	aagccaccca	agcagggggc	ccttggcccg	caggcctcat	15660
gcctccacca	acgctggggc	acgcagctgc	tgccccctg	ctggggctct	cagccctctt	15720
gtgcaacctt	ccatcttttc	gagtttctct	tgctctctga	ggcagagcct	ctagtccagg	15780
tctgacggag	ccaggccagg	tcagccactg	aaaaatcgag	agctactgtt	taactctcgc	15840
agcagcgtgg	agccccacgg	gcagagaaa	gcccttctga	actctcggtg	ttctggctct	15900
agcgtgcccc	tggtgcctgc	atgctgatgc	ctctcccgtt	gcctccctgc	ccaccagcgc	15960
atggacctgg	accgcaggcg	cgaggaggcc	cgcaacccca	agcgggaagc	gcgcctcatg	16020
gaggaggacg	agctcccctc	gtggatcatc	aaggacgacg	cggaggtgga	gcggctgacc	16080
tgtgaggagg	aggaggagaa	gatgttcggc	cgtggctccc	gccaccgcaa	ggaggtggac	16140
tacagcgact	cactgacgga	gaagcagtgg	ctcaagggtac	atgctggaga	ggcccagcag	16200



ctgccgcagg	ccagcgccag	gcagggctgg	ggagacaaag	ggcccaccgc	caggactcag	16260
gcctgggtcc	aaaatgcttt	ccttgggcca	ctcctggcca	ggctccgcag	gcagccgaga	16320
gccttccgat	gtgggcccag	gatggtcagg	tccttttggc	tctgccttgg	aatgcaagaa	16380
ggacccacgg	ttcctgagca	gctcaaaacc	tgtgtgtggt	tatggttggg	ctttcaagta	16440
aaagggttta	cctcttcccg	aggttaaaaa	tcatgttgct	gatctcagtg	gactgctggc	16500
tttcccagta	cctgcccagga	gggaggcaca	aggggtgaatc	atggactatt	gaggcgccct	16560
gcaaagcggt	gcactgctgg	ctgcaggcag	cctcactttg	ggcaagtccc	ccccatgag	16620
ctggggagac	tcagtcattg	ggagggagga	gagggcaagc	ccccaagggc	ctctgaacct	16680
ggcaggtgct	gcacggggct	ggcagttgct	tgtggagctg	acgtgagggc	ccgttctcag	16740
cagatggcag	ctggccctgc	aacagcagct	gcagatgtct	ttgagtcagt	cgtgcggtgc	16800
tcctggggct	tcacccgacc	caactttccc	agcccaaggc	acactgtgac	agatgcctgg	16860
cactgatgtc	ctcactgggg	ttacggtgac	agatcagacc	ccttcccagc	tcaggggctc	16920
tgagttatag	agacgatgat	tcagaatcca	tccttgaagt	tgtgtcataa	aaatgtcctg	16980
aagcaataat	tccgagaagg	caggtggcag	cttttggcta	tgccatgcaa	agtgccacac	17040
ccaggaaaga	gccatgtggc	ctagcccatg	tggccaaaca	gccccgggtc	cctcctggga	17100
cctcagcagc	ccagactcat	gagcttgctt	gccaagctgt	gcaccagagg	gcgctgttga	17160
aacacaccag	gagcccaggt	gacagacagg	ccatcctgtt	ccccagccag	cctcccaagc	17220
acagcgctcc	aggaccagga	agagaaaacc	tgaagagaca	gtgtgagccc	tgccacagac	17280
ctgtgtgaca	gcagagctgt	ttggctgctg	tatgagtgct	accggccctg	catttttttc	17340
ttttttaata	aagacaaagt	cttgcctgtg	taccagggtt	ggcctccagt	tcctgggggc	17400
tcaagtgatc	ctcacacctc	agcctcctga	gtagttcaga	ctacaggtac	acaccaacac	17460
gcctgggctaa	ttttaaattt	tttgtaaagt	gggggtctca	ctgtgtcact	caggtgtggt	17520
tcaaactcct	gggctcaaac	aatccacccg	cctcggcctg	cagagtagct	gggattacga	17580
gcatgagcca	cgggtgcccag	ctcagccctg	catatttgag	gcagttagta	ccttttaaat	17640
ttaagatcag	ttcatagctg	gctgctctat	gtacattttt	ttctaggtgt	aattttcata	17700
ccatacagtt	cacccttttg	gggtatatga	tacaatcatc	ttcagtgtat	ccaagagttg	17760
tgcattcttc	accacagtcc	attttagaac	attctcatcg	ccccaaaag	aagccctgcc	17820
ccgatttgcc	attcctggta	attcatggat	tctcccagc	cccaggcaac	cactgatgta	17880
ctttctgtcc	atatagtttt	acctgttctg	ggcgtttcct	gtcagtggag	tcctacagcg	17940
tgggatgctt	tgggtgtcagg	cttttttcac	gcaatgtaac	atgctgacct	atgatgcagc	18000
aggtgtgttg	cattctttga	tgggtgaaata	atcctgcctc	gtacagattt	gtcacattcg	18060
gtttttctgt	ccattcttga	tggacacttg	ggttgtatcc	actttcgggc	tattacaaac	18120
aatactaccg	tgaacattca	cgtacacgtt	tttgctgtga	cgcgtttctc	tttaatatgt	18180
gatttctctt	taatatctga	ttctcttcta	atatgtgcct	aggcgtagag	ttgccggaac	18240
aatgttagtt	ctctatttta	ccttttgagg	gaccccagcc	tggtttcctt	ggtgggtacg	18300
ccagttcaca	gttccaccag	ctgtgtatga	gaattcctct	ttctctacat	cctcagcaac	18360
ccttgcctgt	ccctcgcccc	ctgattctag	ccatcccagc	acgtatgaag	tgccatctga	18420
gtgtgggttg	atttgcattt	ccctgatggc	taatgggtgtg	gagtatctgt	tcatatgctt	18480
cttggccctt	tgtgtatcct	ctagaaagag	atgtctagtc	acatcatcct	ttacccaaat	18540
ttaaaatata	tttatcttaa	tattgaattg	taagttattt	acaagtgcct	tatcagatat	18600
catttgtaaa	tattttgttc	cattctgcac	attctctttt	cgcttcctgt	atatccgttg	18660
aagcacagaa	gtgttttcatt	gtacttacag	tcgatttttc	tttttcacct	gtgcctttgg	18720
gttgtatctg	agaaaccatc	gcctatccaa	ggtcacgaag	acttgcccct	gtcttttctc	18780
ctaggagggt	tataatttga	tctcttccat	gtagatccat	gtaagatcca	ttttgagtta	18840
aattttatac	atgatgtgag	gtaggggtcc	atcttcatcc	atccaactgg	aaatccagtt	18900
gtcccagcag	catttgttga	agagactatt	ttttcccat	gagcccatct	tattacacag	18960
tatattcaaa	ttcacagtgt	tgaaaaatat	tatacaaaac	actgtctccc	cactactgtt	19020
ggctgtggaa	ttggcaccac	ttttctggca	gccatctgtt	gccaagtga	ctcaaagcct	19080
tcaaaatgct	cctatggccg	ccatcgga	tggccatgac	tgtggcagcc	taaagcaaca	19140
gaactatttt	ctctgcattc	tgggcccagaa	gtctgaacct	acggtgtggg	cagggctgtg	19200
ttcctttcga	ggcccttagga	gaggaccctt	ccttggcctt	tccagcttct	gatggttcca	19260
gaagcctcct	ggcttggggc	agcgtcagcc	cattctgcgc	tctgtcttca	tggggacttc	19320
tcctctgtgt	cccccttctg	gtcttttaag	aacaattttt	aaaacttaat	cccaaaagta	19380
aagacctcat	ttgcaaagaa	ggtcccatc	cgaggttcca	ggtagacatg	agtctggggg	19440
gcacccgccc	ctccgcccctg	ggtctgcagg	gggccttctc	ctgggtgctc	ctgctgtctg	19500
tgccctccat	gctgcttctt	tgacccgggt	gccttccatc	ctcctggggc	cctcaggctc	19560
tcagcttccc	atcttctcta	agacatgtct	gctccatcat	tctggtgtct	ctctcttccc	19620
tccttccctg	cacctgacac	gtttgtttacc	ccacttgtgg	ggtgttgctg	tctgatcacc	19680
atcttccctc	caagggtagg	ggaaagggcc	ctggctgggt	caagtcacag	ctctgtcctc	19740
agcggcaggc	acagtgccta	gctcactggc	acagcctcag	attccctgga	cacctggctc	19800
cccggctgca	ttttttacca	ttgggataag	ttattagtag	cattgaaaat	taataacctg	19860

ggattctctt	aatattgttc	atattcatgt	tcttctcagc	agttttacca	tgaggaatct	19920
gtcttaaaaa	atgtcagttg	tcaatagcgt	tattttaa	agcaacaaca	ataaaaaaag	19980
gtggtcagac	ctggcagctt	gtgcctgtaa	tcccagcact	tggagaagcc	aaagcggggg	20040
gatcatttca	gctcaggagt	ttgagaccag	tctggccaaa	atagcaagac	ctttgtctct	20100
attaaaaaaa	aaaatgccag	gcacagtgc	acatgcctgt	aatcccaagc	actttggggag	20160
gccgaggtgg	gcagatcacc	tgaggtcagg	agctcaagac	cagcctggcc	aacatggcaa	20220
aaaccggtt	ctactaaaa	tacaaaaa	agccaggcat	ggtggtggg	acctgtcatc	20280
ccagctactt	gggaggctga	gtcaggagaa	tcactggaac	ctaggagtgt	gagtttgtag	20340
tgagccaaga	tcgcaccact	gcactccagc	ctgggcgaca	gaatgagacc	ctgtctctga	20400
aaaaaaggga	aatgacctaa	atgccaaga	acaaggggag	gctaaattag	ggcacgttgt	20460
gcactgaaac	actaaacaga	cattaaaaa	ttttgttgta	gaaaattaca	ggaaaagata	20520
tccatgacac	agccagcagt	gtggcacgtg	ggctacaatt	ccagcgtggc	cttcagttct	20580
gcacacgtgc	gtcaaagggtg	gggagagttc	tgggtggtggg	tggcgctgag	ggctgcacaa	20640
cactggggac	gtgcctaata	cccctgaact	gtgtactaaa	acatggctgc	tttggtaa	20700
tttatgttat	atatgattta	taatatattt	ttttaaatgc	ccagctactc	aggaggctaa	20760
gatgggaaga	tcacttgagc	ccaggagtta	aagccaacc	agggcaatgt	agcaagacca	20820
catgtctaag	aaaatttaaa	aatcggctgg	gcgcggtggc	tcacgcctgt	aatcccagca	20880
ctttgagagg	ccgacatggg	tggatcacga	ggttaagaga	ttaagaccat	cctggccaac	20940
atggtaaaac	cctgtctcta	ctaaaaatac	caaaatttagc	tggacgtggg	ggtgggcgcc	21000
tgtagtccca	gctactcagg	agggtgaggg	aggagaatcg	cttgaaccag	gaagggtggag	21060
gttgacagtga	gctgagattg	caccactgca	ctccagcctg	gtgacagagc	gagactgcgt	21120
ctcaacaaca	acaaaaaaga	aaatttaaaa	ataatttttc	atacaaaaat	tagccagggtg	21180
tgggtggcacg	tacctgta	cccagggtact	tgggaggctg	aagcaggaga	attgcttgaa	21240
cccaggaggc	ggagggttga	gtgagccgag	attgcaccac	tgcactccaa	cctcgggtgc	21300
aagagcgaaa	ctcgcctcca	aaaatatata	ataaattttt	aaaatgtctt	aaaaaggccg	21360
ggtgtggtgg	ctcacacctg	taatcccagc	actttggggag	gccgaggcgg	gcagatcaca	21420
aggtcaagag	tttgagacca	tcctgaccaa	catggtgaaa	ccctgtctct	actaaaaata	21480
caaaaatttag	ctaggcggtg	tggtttgccg	ctgtaatccc	agctactcag	gaggctgagg	21540
caggagagtt	gcttgaaccc	aggaggcgga	ggttgacgtg	agccaagatc	atgccactgc	21600
actccagcct	ggtgacagag	tgagactccg	tctccaaaaa	aaaaaaaaaa	aaaatcttaa	21660
aaagaagaaa	tagatggagg	ccaggcccag	tggcttatat	ctgtaatcct	agcacttttg	21720
gaggctaaga	tgggagcact	gcttgagacc	aggagttcaa	gaccagcctg	ggcaatatta	21780
tgagaccccg	tatctacaaa	aaattttttt	aattagctga	gtgtggtgac	acgtgcctgt	21840
agtcccagct	acttagagg	ctgaggtggg	aggatctctt	gagccctggg	agttcaagac	21900
tgacgtgagc	tatgatgggtg	ccactgcact	ccagcctggg	caacaggtcg	agaccctgtc	21960
tctaaaaata	aataagtaaa	taaaagaaat	agatggggag	agtgtggaac	agagggtgtca	22020
acatcacctc	cgggtgaagg	gatttcagga	gcacgttctt	ttctgtacag	agaagatagt	22080
tctttttttt	tgggtcaagaa	attcaacccat	tagtttttta	aagacaagct	tgggtggggg	22140
gcctgctggg	ggcagtgtctg	gtctttcact	gcagcccagg	caccccttga	gagteccagt	22200
gtgtgttatg	ccccgagcca	gtcaagctga	agggagagcg	ggtgcggggg	ccctcctccg	22260
tgtcccagcc	cggccccttg	gattgcgtcg	cggcctctgc	ttgtcgacct	gggtgctggc	22320
tgctcctatt	tactactatt	gaccctgaag	gccactgag	agggcacgct	ggaggagatc	22380
gaagaggagg	tccgagcaga	gaaatcatca	cggagcgca	agcgagacag	cgacgcggc	22440
tcctccaccc	cgaccaccag	cacccgcagc	cgcgacaagg	acgacgagag	caagaagcag	22500
aagaagcgcg	ggcggccgcc	tgcgcgagaaa	ctctccccta	acccacccaa	cctcaccaag	22560
aagatgaaga	agattgtgga	tgccgtgatc	aagtacaagg	acaggttaagc	gaggaggcgg	22620
ggagggcggg	ggctgtaggg	gtccccgtgg	gagcaggcct	ggcatctgca	ctctgactct	22680
gcacactcag	gcttggggccg	ctcactcttt	cactcatcca	caaacactga	ctgaatctct	22740
gtgtctttga	gcctggccct	gaggaacatg	ctttctggaa	cagggaagca	cacatgtatc	22800
tgcggtgatg	agagggaa	tcacatgtgg	tcgagaggag	aggcaggggt	gcgggtctcg	22860
gagaagggga	cattgcagca	gagccttgag	agaggggagg	ttggggagag	tgcaccagca	22920
gaggccacag	caggcgagga	ggctctgcca	aagttgtggc	ctggtggcct	caagggatga	22980
ggtgggatga	ggggttatat	ggcagtaatg	ggtgctgccc	gtgtggccag	gaggttgggg	23040
acaagaggct	ggcatgtctg	gagcagagaa	agtggcagcc	ctctcctgtc	cttgcaccct	23100
cccaggctac	ctgtgccatc	tctgtgttgg	tgagatgggtg	gccacactcc	tgtctctctgc	23160
caggccctgc	tccaagcctg	gagatcgctg	tcctcacaga	catgtcctat	atacagggca	23220
gcatgcggtt	ccagctgtgg	ccacggccca	gcggcggtatc	ataacgtgtt	ggtggatcat	23280
gagtgccatt	tatatgtttt	tcatttacta	atatcctttt	ccgtgagcga	ctctatatgg	23340
gtaccattta	aataagaaga	aaggaatgtt	ctcagcaact	ccccaggagg	gcatgtgcac	23400
cttctgccag	cccaggcgag	gtcacagagc	tgggcaggag	ccagcaaagg	tgtaaggccc	23460
atgcctggcc	caggactcac	ccagtcttcc	actctccaag	gtcttatttc	acttcttggt	23520

acacactggc	cagtacggct	gtccccgtaa	tgggaggggt	gtactgtttg	atttttaaata	23580
acagtttgct	gttagtcatg	aagcagagcg	tgggggaatt	gtatctgttg	gaggggaaag	23640
tgaaggggagc	ccacatgcat	ggtttggaga	gaatcttacc	aagtgtgaag	ttttagagga	23700
tggtaacaat	tggagtgcct	aaattaatga	gtcaaaatta	ccgcgcaagg	ccagctgtgg	23760
tgggtccacac	ctgtcagccc	agcactttga	gaggctgagg	tgggaggatc	acttgaggtc	23820
aggagtttga	gaccagcatg	gacaacatgg	tgaaaaccca	tctttactga	aaataggaaa	23880
acaattacct	gggcgtgggtg	gcacgctttt	tgggaggctg	agacaggaga	atcacttgaa	23940
cccaggaagt	ggaggttgct	gtggaccaag	attgcaccac	tgcactccag	ccttgggtga	24000
cagagcaaga	cgccactcc	aaaaacaaaa	tactgcttaa	aaaggttcct	ttagccagat	24060
gcggtggctc	atgcctgtaa	tcccagcact	ttaggaggcc	aaggcgggcg	gatcacttga	24120
ggtcaggagt	ttgaaaccag	catggccaat	atggcgaaac	cccctctcta	ctaaaactac	24180
aaaaattcgc	cgagcgtagt	ggtgcatgcc	tgtaatccca	gctactcggg	aggctgaggt	24240
aggagaatct	tgaagctggg	aggcggaggt	tgcagtgacc	caagatcaca	tcagtgcact	24300
ccagcctggg	ggacagagtg	agactccgtc	tcaaaaagag	aaaaaaagaa	aggttctttt	24360
attattggaa	gagaaacaga	tgatgaagga	aaggagacat	attcaagttc	aatgccagat	24420
ctgaaaatgt	catgtgttgt	cagtattgag	aaaaaaatat	atagactcta	attcacaaac	24480
ctaactccaa	ggctaagtcc	tcaaagagga	aagcaagtgg	aggacttaag	ttacttaaaag	24540
tgcgggatac	agctgcgggc	agtagcacat	gcctggggtc	cccactactt	gggaggctga	24600
ggtgggagga	tcacttgagc	acagcaggtc	caggctacag	tgagccatga	tcacacagct	24660
gcactccatc	ctgggtgatg	gaatgagacc	ctgtatctta	aaaaaatgaa	ataaatacag	24720
aatacttatt	taaaacatgg	gccaggtata	gtggctcgtg	taatcccagc	actttgggag	24780
gctgaggtgg	gcggatcact	tgaagttagg	agtttgagac	cagtctggcc	aacatggcaa	24840
aacccccatct	ctacaaaaaa	tacaaaaata	gaaattaaac	tggcatgggtg	atgcgtgctt	24900
gagctcccag	ctcgggaggc	tgggcacgag	aatcgcttga	accagaagg	cagaggggtgc	24960
agtgagccaa	gattgcacca	ctgcactcca	gcctgggtga	cagagtgaga	caatacctga	25020
aaaacaaaaa	acaaaaacaa	aaaaagggaa	ttcgcagaaa	tctaatagaca	atgacagacc	25080
ctccccatgt	tttattttcta	atgataatct	tgtgagggaa	acttaacatt	accaacctaa	25140
agaagaccct	tgaagcgcag	tggggaaagc	acgggtgtct	ccatcacact	ggtctcctgg	25200
gtatccacgt	agagaggatg	agcctcgacc	acccccacac	acgcacacac	catgcacttg	25260
gatccacgtg	acatggactg	tggatgtaa	aacgtgaaag	gtaaaacaaa	attctagaag	25320
aaagcacggg	agaaaatctt	catgagtagg	catcgatttc	ttccacggga	gccaaaagcc	25380
actaatcaca	aacaattgag	aaattagacc	tcactgaaat	taataacatc	tgtttattaa	25440
tggacacgt	gatggagaca	gtgaaaactc	ctcatagatg	aggaaaagac	aacacaattt	25500
aaagctggac	aagagccggg	aacagacgcc	tccttacaca	ggacatccca	ggactaatca	25560
atgtggggaa	aggtgctcac	gtcattgcat	tagcatcaca	acttcaagaa	aatgctcggt	25620
aaaaccagag	tgacttgcac	cagcacccgc	cccagaacgg	ccgaatgccc	atcagtgtcg	25680
gcaagtctga	agcagtctgg	cctcacaccc	tgcgtgtagg	agtatgcagc	tctttggcaa	25740
tctcttctgt	tttgctttgt	ttgtttttaa	ccatcgaact	gcagaagata	atattttctg	25800
aggctcagcc	tgtacatacc	ctctgaccca	gcagcctgca	gccctcgttc	taccaggag	25860
agctgagtgc	atctgtccac	accgacagac	gtgtccatag	ccactttggt	cataatctcc	25920
caaaaacaga	atcagcccag	tgtccatcta	caggggcatg	gatcagtgga	ggcctaactc	25980
tacaggggcc	caaacacgtg	tgaaaacaga	catagtactg	ctacctggaa	gaagcttaca	26040
ttttgttgag	tgaagaagc	cagacactaa	aaaggcata	ctggccgggc	acggtggctc	26100
acgcctgtaa	tcccagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	tcaggagatt	26160
gagaccatcc	tggctaacat	ggtgaaacac	cgtctctact	aaaaatacaa	aaaattagcc	26220
gggtgtgggtg	gtgggcgcct	gtagtcccag	ctactcggga	ggctgaggcg	ggagaatggc	26280
atgaaccag	gaggcggagc	ttgcagtgag	ccgagaccgc	gccacggcac	tccagcctgg	26340
gcgacagagc	gggactccgt	ctaaaaaaaa	aaagaggggc	tactgtgtgc	ctccagttct	26400
gtgaggggtca	gaagctgatc	cacagtaatg	gctgccaaag	agtgtttacc	ttgagagagg	26460
gaatagcagg	aaagccacac	gacgagcctt	ctaggatact	ggggatattc	tctctataga	26520
tctggatgtg	tatatgatgt	gtacattcac	caaggtgtac	acatgagata	tgtacacttc	26580
tctgtattcc	attacacctt	ggttttttgaa	aagacagaaa	cagcatgctc	agcttattaa	26640
gaacctgaat	atttttcagac	aaaaagtatg	tctagtgtta	gtccactttt	tttttttttt	26700
agtttttagac	tcacagagcc	ctcttagggg	catatttagt	tgtatatcat	ctgacaaaag	26760
agggaatggc	tcaccagct	gctacagtca	gtctttagtc	ctttgtaaga	tttgatgata	26820
aatcatacaa	taaattaaaa	ctttcgggctg	ggcacagtgg	ctcacgcca	taatcccagc	26880
actttggggag	gccgaggcgg	aggatcactt	gagcccagga	gttcagatga	gcctggccaa	26940
catagtgaga	ctctgtctct	atttaaaaaa	aagaagaaaa	aaaaagtctg	ggtgtgggtg	27000
ctcacgcctg	taatcccagc	actttgggag	gctgaggcga	gcggatcaca	aggccaggag	27060
atcaagacca	tgctggctaa	cacagtgaag	ccccgtctct	actaaaaata	caaaaaatta	27120
gccaggcgtg	gtggcggggc	cctgtagtcc	cagatactcg	agaggctgag	gcaggagaat	27180

ggcgtgaacc cgggaggcag agcttgcaat gagccgagat tgtgccactg cactccagcc 27240  
 tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaccccaaa 27289

<210> 12796  
 <211> 5088  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (7)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (11)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (12)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (14)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

0950083-091204

<222> (15)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (16)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (17)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (18)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (19)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (20)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (21)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (22)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (23)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (24)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (25)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (26)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (27)

T02T60" E8005550

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (39)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (51)  
<223> n equals a,t,g, or c

0950083 091204

<220>  
<221> SITE  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (63)  
<223> n equals a,t,g, or c

<220>



0950083-091204  
T02T60" E8005650

<221> SITE  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

05950083-091201

<222> (76)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (77)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (78)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (79)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (80)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (81)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (82)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (83)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (84)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (85)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (86)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (87)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (88)

009950083 091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (100)

<223> n equals a,t,g, or c

09950083 091204  
102160" E8005660

<220>  
<221> SITE  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (112)  
<223> n equals a,t,g, or c

0950083 091201  
102160" E800560

<220>  
<221> SITE  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (124)  
<223> n equals a,t,g, or c

<220>

<221> SITE  
<222> (125)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (126)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (127)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (128)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (129)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (130)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (131)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (132)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (133)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (134)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (135)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (136)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE

<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (149)

09950083-091201

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (161)  
<223> n equals a,t,g, or c



091201 0900560

<220>  
<221> SITE  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (173)  
<223> n equals a,t,g, or c

```

<220>
<221> SITE
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (185)
<223> n equals a,t,g, or c

<220>

```

0950083 091201  
T02T60" E800560

<221> SITE  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

091201 09005660

<222> (198)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (199)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (200)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (201)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (202)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (203)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (204)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (205)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (206)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (207)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (208)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (209)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (210)

09950083 091204  
T02T60" E900560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (217)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (222)

<223> n equals a,t,g, or c

095E0083 "091204  
T02T60" E8005560

<220>  
<221> SITE  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (234)  
<223> n equals a,t,g, or c

0095005550  
"041204"  
T02T50

<220>  
<221> SITE  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (246)  
<223> n equals a,t,g, or c

<220>

0950083.091201

<221> SITE  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (255)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> SITE



TOCT60" E9005650

<222> (259)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (260)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (261)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (262)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (263)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (264)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (265)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (266)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (267)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (268)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (269)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (270)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (271)

0950063-091201

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (278)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

09950083-091201  
T02T60" E80D5650

<220>  
<221> SITE  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (295)  
<223> n equals a,t,g, or c

0950083-091201

<220>  
<221> SITE  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3943)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3944)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3945)  
<223> n equals a,t,g, or c

<220>

0950083-091204  
T02T60" E800560

<221> SITE  
<222> (3946)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3947)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3948)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3949)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3950)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3951)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3952)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3953)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3954)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3955)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3956)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3957)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

05950083-091201  
T02T60" E8905650

<222> (3958)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3959)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3960)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3961)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3962)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3963)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3964)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3965)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3966)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3967)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3968)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3969)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3970)

0950083 091201

<223> n equals a,t,g, or c  
<220>  
<221> SITE  
<222> (3971)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3972)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3973)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3974)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3975)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3976)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3977)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3978)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3979)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3980)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3981)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (3982)  
<223> n equals a,t,g, or c

0950083-091201  
TOTAL

<220>  
<221> SITE  
<222> (3983)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3984)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3985)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3986)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3987)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3988)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3989)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3990)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3991)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3992)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3993)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3994)  
<223> n equals a,t,g, or c



09950083-091201  
T02160" 0800550

<220>  
<221> SITE  
<222> (3995)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3996)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3997)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3998)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (3999)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4000)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4001)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4002)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4003)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4004)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4005)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4006)  
<223> n equals a,t,g, or c

<220>

0950083 091201

<221> SITE  
<222> (4007)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4008)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4009)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4010)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4011)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4012)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4013)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4014)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4015)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4016)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4017)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4018)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
FOI b6 b7C

<222> (4019)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4020)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4021)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4022)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4023)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4024)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4025)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4026)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4027)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4028)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4029)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4030)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4031)

0950083 091201  
T02160" C8005560

<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4032)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4033)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4034)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4035)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4036)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4037)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4038)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4039)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4040)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4041)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4042)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4043)  
<223> n equals a,t,g, or c

00950083-091201  
T02T50" E800560

<220>  
<221> SITE  
<222> (4044)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4045)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4046)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4047)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4048)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4049)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4050)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4051)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4052)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4053)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4054)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4055)  
<223> n equals a,t,g, or c

00550083 091201

<220>  
<221> SITE  
<222> (4056)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4057)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4058)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4059)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4060)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4061)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4062)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4063)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4064)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4065)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4066)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4067)  
<223> n equals a,t,g, or c

<220>

0905003 091201  
T03160 E800560

<221> SITE  
<222> (4068)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4069)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4070)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4071)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4072)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4073)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4074)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4075)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4076)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4077)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4078)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4079)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0305003 091201 102160 "E3005560

<222> (4080)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4081)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4082)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4083)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4084)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4085)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4086)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4087)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4088)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4089)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4090)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4091)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4092)



0950063-091201  
FOAT60-0900650

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4093)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4094)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4095)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4096)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4097)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4099)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4100)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4102)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4103)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4104)

<223> n equals a,t,g, or c

0550083"091201  
T0260"090565

<220>  
<221> SITE  
<222> (4105)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4106)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4107)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4108)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4109)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4110)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4111)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4112)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4113)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4114)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4115)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4116)  
<223> n equals a,t,g, or c

05950083-091201  
FOAT60-0300550

<220>  
<221> SITE  
<222> (4117)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4118)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4119)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4120)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4121)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4122)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4123)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4124)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4125)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4126)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4127)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4128)  
<223> n equals a,t,g, or c

<220>





0950083 091301  
102160" E805560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4154)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4155)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4156)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4157)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4158)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4159)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4160)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4161)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4162)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4163)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4164)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4165)

<223> n equals a,t,g, or c

09950083.091201  
T02160" E8005560

<220>  
<221> SITE  
<222> (4166)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4167)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4168)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4169)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4170)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4171)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4172)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4173)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4174)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4175)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4176)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4177)  
<223> n equals a,t,g, or c

09950083 091201  
T02160" 0800560

<220>  
<221> SITE  
<222> (4178)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4179)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4180)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4181)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4182)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4183)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4184)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4185)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4186)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4187)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4188)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4189)  
<223> n equals a,t,g, or c  
  
<220>



0950083 091201  
102160 "E800560

<221> SITE  
<222> (4190)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4191)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4192)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4193)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4194)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4195)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4196)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4197)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4198)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4199)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4200)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4201)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0395003"091E01  
T03T60" E300560

<222> (4202)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4203)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4204)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4205)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4206)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4207)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4208)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4209)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4210)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4211)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4212)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4213)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4214)

09050083 091201  
T02160 0805560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4215)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4216)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4217)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4218)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4219)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4220)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4221)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4222)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4223)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4224)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4225)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4226)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4227)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4228)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4229)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4230)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4231)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4232)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4233)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4234)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4235)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4236)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4237)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4238)  
<223> n equals a,t,g, or c

0955083 051201  
T02T50" E300560

<220>  
<221> SITE  
<222> (4239)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4240)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4241)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4242)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4243)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4244)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4245)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4246)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4247)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4249)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4250)  
<223> n equals a,t,g, or c

<220>



0950083 091201  
T02150" E800560

<222> (4263)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4264)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4265)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4266)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4267)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4268)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4269)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4270)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4271)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4272)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4273)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4274)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4275)

09050083 091201  
T02160 88005660

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4276)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4277)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4278)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4279)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4280)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4281)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4282)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4283)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4284)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4285)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4286)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4287)  
<223> n equals a,t,g, or c



09950083-091201  
T02160"EB00560

<220>  
<221> SITE  
<222> (4288)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4289)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4290)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4291)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4292)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4293)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4294)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4295)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4296)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4297)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4298)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4299)  
<223> n equals a,t,g, or c

09950083-091201  
102160-ES005660

<220>  
<221> SITE  
<222> (4300)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4301)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4302)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4303)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4304)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4305)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4306)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4307)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4308)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4309)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4310)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4311)  
<223> n equals a,t,g, or c

<220>

0950083-091201  
T02T60"E8005660

<221> SITE  
<222> (4312)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4313)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4314)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4315)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4316)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4317)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4318)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4319)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4320)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4321)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4322)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4323)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

00950033-091201

<222> (4324)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4325)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4326)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4327)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4328)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4329)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4330)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4331)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4332)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4333)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4334)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4335)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4336)

0950033 091201  
T02T60" E8006650

<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4337)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4338)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4339)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4340)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4341)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4342)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4343)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4344)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4345)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4346)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4347)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4348)  
<223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4349)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4350)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4351)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4352)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4353)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4354)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4355)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4356)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4357)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4358)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4359)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4360)  
 <223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4361)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4362)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4363)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4364)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4365)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4366)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4367)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4368)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4369)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4370)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4371)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4372)  
<223> n equals a,t,g, or c

<220>

0950083-091201  
T02T60"E3D05660

<221> SITE  
<222> (4373)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4374)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4375)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4376)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4377)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4378)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4379)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4380)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4381)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4382)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4383)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4384)  
<223> n equals a,t,g, or c

<220>  
<221> SITE



0955003 091201

<222> (4385)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4386)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4387)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4388)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4389)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4390)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4391)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4392)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4393)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4394)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4395)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4396)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4397)

TDZT6D"ESD0560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4398)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4399)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4400)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4401)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4402)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4403)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4404)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4405)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4406)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4409)

<223> n equals a,t,g, or c

0950033-091201  
T02T6D"E8005650

<220>  
<221> SITE  
<222> (4410)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4411)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4412)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4413)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4414)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4415)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4416)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4417)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4418)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4419)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4420)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4421)  
<223> n equals a,t,g, or c

09950083 091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (4422)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4423)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4424)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4425)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4426)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4427)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4428)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4429)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4430)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4431)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4432)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4433)  
<223> n equals a,t,g, or c

<220>

0950033 091201  
T02T60" E3005660

<221> SITE  
<222> (4434)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4435)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4436)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4437)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4438)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4439)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4440)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4441)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4442)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4443)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4444)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4445)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0950083 091201  
T02T50" E800560

<222> (4446)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4447)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4448)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4449)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4450)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4451)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4452)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4453)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4454)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4455)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4456)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4457)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4458)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4459)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4460)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4461)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4462)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4463)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4464)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4465)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4466)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4467)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4468)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4469)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4470)

<223> n equals a,t,g, or c

0950083-091201  
T02T60" E8005650

<220>  
<221> SITE  
<222> (4471)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4472)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4473)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4474)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4475)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4476)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4477)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4478)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4479)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4480)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4481)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4482)  
<223> n equals a,t,g, or c



0950083 091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (4483)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4484)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4485)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4486)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4487)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4488)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4489)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4490)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4491)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4492)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4493)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4494)  
<223> n equals a,t,g, or c

<220>

0950037 091201  
TOTED E300560

<221> SITE  
<222> (4495)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4496)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4497)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4498)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4499)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4500)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4501)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4502)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4503)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4504)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4505)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4506)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
T02160 "E805660

<222> (4507)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4508)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4509)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4510)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4511)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4512)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4513)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4514)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4515)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4516)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4517)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4518)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4519)

09950083 091201  
"F02T60" E8005660

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4520)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4521)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4522)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4523)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4524)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4525)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4526)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4527)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4528)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4529)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4530)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4531)

<223> n equals a,t,g, or c

0950083-091201

<220>  
<221> SITE  
<222> (4532)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4533)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4534)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4535)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4536)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4537)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4538)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4539)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4540)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4541)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4542)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4543)  
<223> n equals a,t,g, or c

0955083-091201  
T02T60" E8005660

<220>  
<221> SITE  
<222> (4544)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4545)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4546)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4547)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4548)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4549)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4550)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4551)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4552)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4553)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4554)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4555)  
<223> n equals a,t,g, or c

<220>

0050083 091201  
T02T60 E8005660

<221> SITE  
<222> (4556)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4557)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4558)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4559)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4560)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4561)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4562)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4563)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4564)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4565)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4566)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4567)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
102150" E800560

<222> (4568)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4569)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4570)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4571)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4572)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4573)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4574)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4575)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4576)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4577)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4578)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4579)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4580)



09950083 091201  
102160 5800560

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4581)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4582)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4583)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4584)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4585)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4586)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4587)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4588)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4589)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4590)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4591)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4592)

<223> n equals a,t,g, or c

09950083 091201  
102760 0800560

<220>  
<221> SITE  
<222> (4593)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4594)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4595)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4596)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4597)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4598)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4599)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4600)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4601)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4602)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4603)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4604)  
<223> n equals a,t,g, or c

09950083-091201  
T02T60" E800560

<220>  
<221> SITE  
<222> (4605)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4606)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4607)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4608)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4609)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4610)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4611)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4612)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4613)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4614)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4615)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4616)  
<223> n equals a,t,g, or c

<220>

0950083.091201  
T02T60" E8005660

<221> SITE  
<222> (4617)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4618)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4619)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4620)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4621)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4622)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4623)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4624)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4625)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4626)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4627)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4628)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0950083 091201  
102150" E800560

<222> (4629)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4630)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4631)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4632)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4633)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4634)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4635)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4636)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4637)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4638)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4639)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4640)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4641)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4642)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4643)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4644)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4645)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4646)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4647)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4648)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4649)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4650)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4651)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4652)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4653)

<223> n equals a,t,g, or c

09950083 091201  
"02150" 08005660

<220>  
<221> SITE  
<222> (4654)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4655)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4656)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4657)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4658)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4659)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4660)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4661)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4662)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4663)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4664)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4665)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4666)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4667)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4668)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4669)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4670)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4671)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4672)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4673)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4674)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4675)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4676)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4677)  
<223> n equals a,t,g, or c

<220>



0950083-091201  
T02T60"E800560

<221> SITE  
<222> (4678)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4679)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4680)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4681)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4682)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4683)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4684)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4685)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4686)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4687)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4688)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4689)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

0950083 091201  
T02T60" 6800566

<222> (4690)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4691)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4692)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4693)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4694)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4695)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4696)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4697)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4698)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4699)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4700)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4701)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4702)

09950083 091201  
102150 18005660

<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4703)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4704)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4705)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4706)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4707)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4708)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4709)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4710)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4711)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4712)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4713)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4714)  
<223> n equals a,t,g, or c

00950083 091201  
102150 0000560

<220>  
<221> SITE  
<222> (4715)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4716)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4717)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4718)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4719)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4720)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4721)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4722)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4723)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4724)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4725)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4726)  
<223> n equals a,t,g, or c

09950083 091201  
102160 " 090560

<220>  
<221> SITE  
<222> (4727)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4728)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4729)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4730)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4731)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4732)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4733)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4734)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4735)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4736)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4737)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4738)  
<223> n equals a,t,g, or c

<220>

0950083 091201  
T02T60" E800560

<221> SITE  
<222> (4739)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4740)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4741)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4742)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4743)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4744)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4745)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4746)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4747)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4748)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4749)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4750)  
<223> n equals a,t,g, or c

<220>  
<221> SITE

09950083 091201  
FOUO 160 28005660

<222> (4751)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4752)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4753)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4754)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4755)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4756)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4757)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4758)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4759)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4760)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4761)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4762)  
<223> n equals a,t,g, or c  
  
<220>  
<221> SITE  
<222> (4763)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4764)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4765)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4766)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4767)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4768)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4769)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4771)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4772)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4773)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4774)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4775)

<223> n equals a,t,g, or c



09950083 091201  
T02T60 "E8005650

<220>  
<221> SITE  
<222> (4776)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4777)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4778)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4779)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4780)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4781)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4782)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4783)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4784)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4785)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4786)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4787)  
<223> n equals a,t,g, or c

09950083 091201  
T02T60 E8005660

<220>  
<221> SITE  
<222> (4788)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4789)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4790)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4791)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4792)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4793)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4794)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4795)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4796)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4797)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4798)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4799)  
<223> n equals a,t,g, or c

<220>

<221> SITE  
 <222> (4800)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4801)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4802)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4803)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4804)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4805)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4806)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4807)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4808)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4809)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4810)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (4811)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE

095008-091201

<222> (4812)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4813)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4814)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4815)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4816)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4817)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4818)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4819)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4820)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4821)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4822)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4823)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4824)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4825)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4826)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4827)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4828)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4829)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4830)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4831)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4832)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4833)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4834)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4835)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4836)

<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4837)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4838)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4839)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4840)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4841)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4842)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4843)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4844)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4845)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4846)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4847)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4848)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4849)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4850)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4851)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4852)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4853)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4854)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4855)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4856)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4857)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4858)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4859)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4860)  
<223> n equals a,t,g, or c

<220>

09050083 091201  
T02T60" E8005660

<221> SITE  
<222> (4861)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4862)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4863)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4864)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4865)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4866)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4867)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4868)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4869)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4870)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4871)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4872)  
<223> n equals a,t,g, or c

<220>  
<221> SITE



0950083 09101  
T03T60 0800560

<222> (4873)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4874)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4875)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4876)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4877)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4878)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4879)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4880)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4881)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4882)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4883)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4884)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (4885)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4886)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4887)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4888)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4889)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4890)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4891)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4892)

<223> n equals a,t,g, or c

<400> 12796

tattnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	300
nnnntgagat	agaatctcac	tctgttgccc	aggctggggt	gcagtgggtgc	gatctcagct	360
ccccacaacc	tctgcctcca	gggttcaagc	aattctcctg	cctcagcctc	ctgagtatct	420
gggattacag	gcatgcacca	ctacgcttgg	ctaatttttg	tatttttagt	agagacgggg	480
tttcaccatg	ttggccaggc	tggtcttgaa	ctcctgacct	cagggtgattc	gccccgccttg	540
gcctcccaaa	gtgctgggat	tacaggcatg	agccaccgtg	cctggctgaa	agttcatttt	600
caatagcata	gtccagacca	ttttttttct	aaatgtgcta	ccagaatcaa	agaaataata	660
acattccatt	aaaacaaata	aaatggcatt	aaattaaatg	ttctgcataa	tttaagagcc	720
ctgaccaatt	ttagtctttt	tttttttttt	gagacagagt	ctcactgtgt	cgcccaggct	780
ggagtgcagt	ggtacgatct	tggtctcactg	cagcctccac	ctcctggggt	caagtgattc	840
tctgcctca	acctcccag	cagctgggat	tacaggcatg	tgccaccata	cctgggcta	900
ttttatatct	ttagtagaga	tgggggtttca	ccatgtttggc	caggctgggtc	tcaaactctt	960
gacctcaggt	gatctgcccc	cctcggcctc	ccaaagtgtc	ggcattacag	gcatgagtca	1020
ctgcgcctgg	cctagtctat	tattaacaaa	taaaaatttt	aatacataaa	aatggatgga	1080
tattttctag	agccttaatt	aagtaattca	ctccaaatgt	cttttttttt	ttttttttta	1140
gctagtaaagt	ggagacactt	tgaaacatgg	tgcttaaaaa	aaaacacact	acctacctgg	1200
tgggctgttt	catggtgaaa	taacttattc	tgtataattt	gaatgcaatt	cagatactat	1260
gtagatgtta	aaaagctaag	ttaacataaa	atgtacatca	tgaaacgtca	ccttacttga	1320
cggcattaat	acattttttc	cactaaaata	cttgtaacca	tggccatcag	tatgaagaaa	1380

aatttttaaac	acgatgaaag	gtggaaacgt	ttcacctcta	aatctgaaat	aaagataaaa	1440
atttagttat	ttggcatcag	gttttgggct	cagttgcttt	tcccccttat	acttaagata	1500
gttcatatag	tttcttgcag	acagggtaaa	ggctatgtca	gagcatgtaa	agaactggta	1560
atgaaatgga	tcacatagga	tgtaagaccc	acactttggg	gtactcacia	ctattctcat	1620
acctgtgtaa	gactgaatac	agaatgggag	atgagagcta	ctctcatggc	aacttttagc	1680
cacagagtca	tgccctcggt	tctttacata	acaaatgtaa	ataagaataa	cacatttact	1740
ttgtaattaa	gttctgagaa	gttacaagaa	tttaaaaaat	ccatatctaa	gatttcctca	1800
tattaactaa	gtacttcttg	aaataaatca	gcataagatac	attacctgaa	tctaatttta	1860
cactgcatag	taggatcctt	aataagctta	gcctctaagg	gggccacttt	cttcagtatt	1920
tcagtgtgta	catagaattc	ctgaaataaa	ggacagtgtc	gtaaaaggaa	agcagtatcc	1980
cacccagaca	caattttatg	actataacag	aggcaacgtg	gtaaagttaa	cattatgctg	2040
gacttgaggt	tctgaagggg	tgggtttttg	ttttggcacc	tccacttact	atctgtgtag	2100
ccttgagcca	gttacttaat	cattttggcc	tccaactttg	gttatctgtc	ccttttagag	2160
atcaaaggca	ctattatttc	cctatgacag	cactttttcac	aatatattat	aattacttat	2220
caacttgtct	gtgcctccta	ctagactgta	agcttcatga	aggtagggat	ggtggccttt	2280
ctctttacca	ctatatctct	agcatctaata	acagtgcctg	gaacacagca	gatgcttaag	2340
aagtatttgt	tgaatgaatc	actgtaagat	gaggatgata	atagtaataa	gttactagct	2400
tttaagcacc	ttttatgtac	catatactac	tatgttaggt	gccttatata	cattagctca	2460
tttaatcctt	acatcagcaa	cactatgaga	attttttgtt	tgttttgaga	cagagtctcg	2520
ctccgtcgcc	caggctcgag	tgcggtggca	tgatctcggc	tactgcaac	ctccgcctcc	2580
caggttcaag	cgattctcct	gcctcagcct	cccgagtagc	tgggactaca	ggcacctgcc	2640
accacgccc	gctaattttg	tattttttca	gtagagacgg	ggtttcacca	tattggccag	2700
gctggcctgg	aactcctgac	cttgtgagcc	gcacgcctca	gcctcccaaa	gtgctgggat	2760
tacaggtgtg	agccaccact	caggctgcag	tgcaatggca	tgatctcggc	tcaccgcaac	2820
ctccacctcc	caggttcaag	tgattctcct	gctcagcctc	ctgagtagct	ggaattacag	2880
gcattgcgca	ccatgcctgg	ctaattttgt	atttttaata	gagatggggg	ttcttcatgt	2940
tggtcaggct	gggtctcgagc	tcccgaactt	aggtgatcca	cccgcctcag	cctcccaaa	3000
tgctgggatt	acaggcgtga	gccactgcac	ctggcccat	atgagaatat	tatcacgcct	3060
attttacaga	tgagaaggct	gaggctcagg	gaatttttgt	aatttataaa	aaggcataca	3120
ggtagtgaat	ggggaagcca	ggattcattt	agttctgttt	gactctaaag	tcccaactct	3180
ttcccccaaa	caaccccaac	caaccccggt	atgcctatga	taatcacata	aaaatgtaca	3240
ctaaagagct	tttaggctgg	gcactgcggc	tcacgcctat	aatcctggca	ctttggggagg	3300
ccaaagcggg	aggatcacct	gagggtcaaga	gttcgagacc	aacctggtca	acatgggtgaa	3360
accccatctc	tactaaaaat	acaaaaatta	gccaggcggtg	atggcaggcg	cctgtagtcc	3420
aagctatttg	ggaggctgaa	gcaggagaat	cgcttgaacc	cgggaggcag	agggttcagg	3480
gagccgagat	cgtgccactg	cactccagcc	tgggtgacag	agcaagactc	tgctcaaaat	3540
aaataaataa	atagctttta	aaaggacaaa	gcattattaa	tttaagggtat	taaagtatta	3600
ctataacaga	taaaaagaa	tttccttctg	ttacaaaagt	ctaaaaatac	tatgaaacca	3660
gcattataaa	attaaataca	agttccatat	tcaaagacaa	tggataatag	acctgaaatg	3720
ccaggagttt	acctgggtgg	gttttctctg	aagtatttcag	acggagtctt	gctctgtcgc	3780
ccaggctgga	gtgcagtggc	tcaaactcgg	ctcactataa	cctccacctc	cccgggtcaa	3840
ggtagctggg	attacaggcg	cacaccacca	tgcccggcta	atttttttgt	attttttagga	3900
gagacggggg	attcaccatg	gtgaccggac	tggtctcgaa	ctnnnnnnnn	nnnnnnnnnn	3960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	4860
acgcacctgt	agtcccagct	actagggagg	cggaggcagg	aattagctgg	gcattggcggc	4920
ggtggagggt	gcagtgagcc	aagatcatgc	ccctgcactc	ataatccctt	gaacctgggt	4980
				cagcctgggc	aacagagtga	5040

gacttcatct caaaaaagaa aagaaaaaaa agagtatcac taataata

5088

<210> 12797  
<211> 465  
<212> DNA  
<213> Homo sapiens

<400> 12797  
ctacgttga attacaagta ggacaacaaa gatgactatt aaagaaagcc tcttgagtgc 60  
tggaagcaca gcaggcgtgg gtctgtccac tctactgtaat gtgatttgca caggaaaaca 120  
tcacataggg cacatcaact caggaaagat agtcgttgaa aagctacctc agctgggcgt 180  
agtggtcacg cctgtaatcc cagaactttg taaggctgtg aggcctgtgg atcccttgag 240  
accaagagta cgagaccaac ctgagcaaaa caggagagacc ccgcctatgc aaaaaatata 300  
aaaattagcc aggcgtgggt gtgcactcct gttgactcag ctattcagga agctgaggca 360  
gaaggaccac aagaagtcaa ggccgcagtg gggataatc acatcactgc actccacat 420  
gggtgacaga ggtgagaccc tgttgcaaaa aaaaaaaaaa aaaaa 465

<210> 12798  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 12798  
tcgaggtcag gagattgaga ccatacctggc taacatgggtg aaaccccatc tctactaaaa 60  
atacaaaaaa aattagccgg gcgtgggtggc gggagcctgt agtcccagct actcgggagg 120  
ttgaggcagg agaattggcg gaacctggga ggccggagctt gtagtgagcc aagatcatgc 180  
cactgcactc cagcctgggc gacagagcga gactccgtct caaaaaaa 228

<210> 12799  
<211> 5012  
<212> DNA  
<213> Homo sapiens

<400> 12799  
tgtaatccca gctgctcagg aggcctgaggc gggagaatca cttgaacctg ggaggcggag 60  
gttgacgca gccgagatca tgccactgca ctccagcctg ggtgacagag cgagagaccc 120  
tgtatcaaaa caaacaaaga aacagcaaca acaacaaaaa ttagcctcgg gtggttagcat 180  
gcatctgtga ttctcagcta cttgggaggc tgagggtgaa ggattgcttg agcccaggag 240  
atcagggtcg cagttagcta tgattatacc actgcactcc agcctgcatg acagaccaag 300  
accttgctc aaaaaataaga taaaaataag aatattttca aatgtttgcc aatctgatgg 360  
gtgaaaaaat gcaaattcat tgttttctact agagtttccc tgaatagtgg tgaggctgcg 420  
tatcttttgtt atttggaat gtctacgata tttgtccact tttcaaaagg ctcatattgtt 480  
ttgtttgttt gtaagttaga ttttttcccta attgtatgca tattcttttt ttgttatatt 540  
tattgcaaat attttctcct actccattgg tctttttgct ttatgtagg acatctggaa 600  
gttggtttct tcatagctcc caaggatga aaatattctc ctacagtttt gctgtgtgtt 660  
tttttttctt ttggagaaaa ccatttttat tatcatcacc acccagctta tttgtgctgg 720  
attatgtacc agtggcaaga tcttctaacg aacatctgca taacatttat tttatgtttt 780  
aaaagatgaa aataactgta caagggttaag tacaaaagta cacaagataa cagacacaaa 840  
aaaatgcatg tatgagattt cattctacct acagcacttt atgttcaaaa agtagaattc 900  
acgaacccaaa aaatattgtc cttctatagt cctgtcaggt ttagtgaaag cgagtctaac 960  
atgattacaa cacctatatc actgatctga tttttatgaa aaaaatctta tttttcaata 1020  
aattaaagcc aatgcaaat ggaatagcat ttcagttttt tgggtgtttt ctttttttta 1080  
atttttttta ttttgagaca gagtctcact ctggtgcca gactggagta cagtggcatg 1140  
atcttggttc accgtgacct ccacctctca ggttcaagca attcttgtgc ctacgccacc 1200  
tgagtagctg ggggttttca ccatgttgct caggctgggtc ttaaaactcct ggcctcaagt 1260  
gatccacctg cctcgccctc ccaaagtgtc gggattacag gcatgagcca ccgcgccgg 1320  
ccatgtttta ggtttataaa atagagatat gaacatggat ggtggtgatg gttgcacatt 1380  
atgaacgtta tcgaatgcta ctgaattgta cacttaaaaa atggctatga tggtaaattt 1440

tatgttacgt	gtatttttacc	acagcttaaa	aaaagagaga	ggaagaaaag	ccagtgcac	1500
accctacaaa	ctggaacact	agctctttgg	gaacaaggac	ctgacatcag	aacaagaagg	1560
ctataagttc	ccaaacctta	aaagtatgat	ctttttcaaa	ctgcatccat	ttctcacggt	1620
gaagatgtga	aacccaatcc	cgttcctctt	tatgtgtggg	tctgtgatct	tgcccttttca	1680
tactgagcat	ctaaattttct	aaatacagta	cttcctattg	cttcaaagtc	ttctaacttt	1740
cttcatcaag	tgagctacat	ctagcttcat	cttcactctt	aataccact	aattttccata	1800
tatatgacat	tttgggtcctt	gtttcccaaa	gtcatagtcc	agcagacggg	gagtttgccc	1860
agttttttctt	gccttgactt	ttttcctctt	gttcagcaaa	tttactgga	tttccagctg	1920
ctgtgtcata	atccctaggt	acagctgttc	tgtctctgcc	aaagctgttg	cttgcagggc	1980
tcccatttga	gctgccatag	ctatctgagt	tactggcatt	cctgatgcca	acagggcagc	2040
aacattgaga	acaaaatctc	tagtaactgg	agctattttct	tgtttttggt	tttcaatgat	2100
ttctttttctt	tttaaaaaat	tttttcccaa	cacccatccc	aactattttct	ttttcttgct	2160
gttcttgtaa	tttctttgcc	tagtccatcc	tcccagctaa	agcttcttat	gcatcctttg	2220
ctgtgcctct	gcctctgaag	agagatgaac	tggaaatctg	gcttaaactt	ctgctaaatc	2280
ttagttttctc	aatgctcttc	tttctctctt	gtcttctgct	tcctgtacta	cttctgcttc	2340
tttccctatgc	atgtcatatt	tatttatatta	cttattttttc	acacgcaaca	cagatgtagt	2400
ttttatctttg	aacaggagca	agatctgac	catggttttc	tttctttctt	ttttttttct	2460
ttccttttttg	gagacggcgt	ctcactctgt	tggccaggct	ggagtgcagt	ggtgtgacct	2520
cagctcactg	aaacctccac	ctcctgggtt	caagtgatcc	tcctgcctca	gcctcccaag	2580
tagctgggac	ctcagacatg	catcaccacg	cctgggcta	ttttgcattt	ttagtagaga	2640
caggggttttg	ccatgttggt	caggttggtc	tcaaactcct	gaatctcagg	tgatctgcct	2700
gacttggcct	cccaaagtgc	tgggattaca	ggtgtgaagc	accatgtcca	gcccatgggt	2760
ttcttttctc	gcttctagat	catgatcggt	cttctctctg	cttctggatt	gagactactt	2820
ctttttccctc	tactacgatg	atgcctttca	cgagacctgt	atcttgagtg	acttctgctt	2880
cttgatggct	ttcttttggt	ttgtgtctgt	cctcatcatt	ttcagatgaa	tgtatttatt	2940
tattgagaca	gcatgtcact	ctgttgccca	ggctggatg	cagtggcaca	atcacagctc	3000
actgtaacct	ctgtctcccc	ggctcaagct	tctcaccaca	gcctcccag	tagctggaat	3060
cacaggcaca	caccaccacg	cctgggcta	ttttgtgttt	tttatagaga	cagggctttg	3120
ccatgttgct	caagctgggt	tcaaacttgt	gagcccaagc	aatttgccca	ccttggcctt	3180
ccgaagtact	gagactacag	acgtgagtca	ctgcgccag	cccattttca	gatgaattta	3240
gtccctctct	tccttttatca	gaataatggt	ctttgtcatt	atgctcctca	gaagtgtatt	3300
tcttagagga	tttgtttag	gattcctgtc	ttcttgctc	atcatgaaat	aggcttatta	3360
ttttcctacc	tgagtctgca	atgtcttcag	ttcagcctc	ttgcccata	gcatgcgctt	3420
tgtgtttttcg	tccttcggtt	tcctttctgt	tttctttctc	ttgacctga	ttgtgatctt	3480
gaataatatt	ttgagtaaga	aaaacagatg	catctgacag	ttctttttcc	accactatc	3540
tggggatgtc	tttttctggg	gctagtccat	cttgtcctgg	ataactacc	tatcttgaga	3600
accagttctt	agtttcatga	aacatcttta	atgaaaacag	ccttttgga	tggtgctgct	3660
gcaaactgtg	gtctgggtct	cctcgcatgt	gctctggctg	ccgcagaaca	gagctcaggc	3720
cgctaggggg	cacctccacg	tgccgctttt	agcagtagca	gccacctcaa	agctttgcca	3780
cagactgaat	agctccttcc	gggggcctgg	atggcaccca	ggggatctgc	cgttgctttt	3840
ttaattttatt	tttttacatt	tagctcatta	atatctgtta	gatattttta	tgtctgcatt	3900
gaaatatgta	actttatttt	tcctccaaag	gataactgtt	ccaacattat	cagttagctt	3960
gtctttttccc	caccaactta	aaatacagct	cttattttta	aaattgcatt	ttataaacat	4020
gtatgttttca	gtaattttata	ttctgcccc	ctgatctata	ttccatctt	agaattatac	4080
ttttattttta	tttttaaaat	ttatttagag	acaaggtctt	ggtatgtcac	tcaggctgga	4140
atgcagtgggt	gcaatgataa	ttcactgcaa	ccttgaattc	ctgggctcaa	gcaatcctcc	4200
cacctcagcc	ttccaagtag	ctgggactac	aggtgtgtgc	cactatgcct	ggctaatttt	4260
tttatttttta	tttttttggt	gagacgatgt	tttgctatgt	tgcccagggt	ggtctcaaac	4320
tcctgggctc	gagggatctt	cctgtcttgg	ctgccccaa	tggtgggatt	ataggcatga	4380
gccacctcac	ccagccttag	tattatacta	ttttagttaa	caaagcttta	caatgaattt	4440
tgatacctag	aaagactgca	cccaggtgaa	ataaacagcc	ttgtttctca	cacaaagcct	4500
gtttgggtgg	ctcttcacat	ggacacgtga	gacagatttc	gctagggga	caaataacca	4560
tggaggtggg	caagaaatat	ccatgattgt	agagctttca	atcagccttt	tattcttgta	4620
acaaatgaaa	aacaaaggat	tatcagacat	ctgcggaaaa	cctctaacat	agaagaagga	4680
gataaaatga	acaaacaata	aaaagcaact	taaaaatgga	caccatataa	agaaaggaaa	4740
acagttttaa	aaaaaaaaaa	acccaaaacc	ctattcttaa	gctacagaga	aagcctggcc	4800
aacatgggtga	aaccctatct	ctactaaaaa	tacgaagtat	tttagccagg	catgggtggca	4860
catacctgta	gtcccagctg	ctcaggaggc	tgaggcagga	gaatcacctg	cacccgggag	4920
gctgaggctg	cagtgttctg	agatcacacc	acagcactcc	agcctgggtg	acagagttag	4980
accttgtctc	aaaaaaaaaa	aaaaaaaaaa	aa			5012

<210> 12800  
<211> 5012  
<212> DNA  
<213> Homo sapiens

<400> 12800

tgtaatccca	gctgctcagg	aggctgaggc	gggagaatca	cttgaacctg	ggaggcggag	60
gttgcagcga	gccgagatca	tgccactgca	ctccagcctg	ggtgacagag	cgagagaccc	120
tgtatcaaaa	caaacaaaga	aacagcaaca	acaacaaaaa	ttagcctcgg	gtggtagcat	180
gcattctgtga	ttctcagcta	cttgggaggc	tgaggttgaa	ggattgcttg	agcccaggag	240
atcagggctg	cagtgagcta	tgattatacc	actgcactcc	agcctgcatg	acagaccaag	300
accttgtctc	aaaaataaga	taaaaataag	aatattttca	aatgtttgcc	aatctgatgg	360
gtgaaaaaat	gcaaattcat	tgtttttact	agagttttcc	tgaatagtgg	tgaggctgcg	420
tatctttggg	atttggaat	gtctacgata	tttgctccact	tttcaaaagg	ctcatttggt	480
ttgtttggtt	gtaagttaga	ttttttccta	attgtatgca	tattcttttt	ttgttatatt	540
tattgcaaat	attttctcct	actccattgg	tctttttgct	ttatgtagg	acatctggaa	600
gttggtttct	tcatagctcc	caagggtatga	aaatattctc	ctacagtttt	gctgttggtt	660
tttttttctc	ttggagaaaa	ccattttttat	tatcatcacc	acccagctta	tttggtgctg	720
attatgtacc	agtggcaaga	tcttctaacg	aacatctgca	taacattttat	tttatgtttt	780
aaaagatgaa	aataactgta	caagggttaag	tacaaaagta	cacaagataa	cagacacaaa	840
aaaatgcatg	tatgagattt	cattctacct	acagcacttt	atgttcaaaa	agtagaattc	900
acgaaccaa	aaatattgtc	cttctatagt	cctgtcaggt	ttagtgaag	cgagtctaac	960
atgattacaa	cacctatatc	actgatctga	tatttatgaa	aaaaatctta	tttttcaata	1020
aattaaagcc	aatgcaaatg	ggaatagcat	ttcagttttt	tggtgttttt	ctttttttta	1080
atttttttta	ttttgagaca	gagttctact	ctgttgccca	gactggagta	cagtggcatg	1140
atcttggttc	accgtgacct	ccacctctca	ggttcaagca	attcttggtc	ctcagccacc	1200
tgagtagctg	ggggttttca	ccatgttgct	caggctgggtc	ttaaactcct	ggcctcaagt	1260
gatccacctg	cctcgccctc	ccaaagtgtc	gggattacag	gcatgagcca	ccgcgcccgg	1320
ccatgtttca	ggtttataaa	atagagatat	gaacatggat	ggtggtgatg	gttgacacatt	1380
atgaacgtta	togaatgcta	ctgaattgta	cacttaaaaa	atggctatga	tggtaaattt	1440
tatgttacgt	gtattttacc	acagcttaaa	aaaagagaga	ggaagaaaag	ccagtgaac	1500
accctacaaa	ctggaacact	agctctttgg	gaacaaggac	ctgacatcag	aacaagaagg	1560
ctataagttc	ccaaacctta	aaagtatgat	ctttttcaaa	ctgcatccat	ttctcacgtt	1620
gaagatgta	aacccaatcc	cgttcctctt	tatgtgtggg	tctgtgatct	tgcccttttca	1680
tactgagcat	ctaaattttc	aaatacagta	cttcctattg	cttcaaagtc	ttctaacttt	1740
cttcatcaag	tgagctacat	ctagcttcat	cttcactctt	aatacccact	aatttccata	1800
tatatgacat	tttggtcctt	gtttcccaaa	gtcatagtct	agcagacggg	gagtttgccc	1860
agtttttctt	gccttgactt	ttttcctctt	gttcagcaaa	tttactgga	tttccagctg	1920
ctgtgtcata	atccctaggt	acagctgttc	tgtctctgcc	aaagctgttg	cttgcaaggc	1980
tcccatttga	gctgccatag	ctatctgagt	tactggcatt	cctgatgcca	acagggcagc	2040
aacattgaga	acaaaatctc	tagtaacttg	agctattttc	tggttttggt	tttcaatgat	2100
ttctttttct	tttaaaaaat	tttttcccaa	caccatctcc	aactatttct	ttttcttgct	2160
gttcttgtaa	tttctttggc	tagtccatcc	tcccagctaa	agcttcttat	gcatcctttg	2220
ctgtgcctct	gcctctgaag	agagatgaac	tggaaatctg	gcttaaaact	ctgctaaatc	2280
ttagtttctc	aatgctcttc	tttctctctt	gtcttctgct	tctgtacta	cttctgcttc	2340
tttcctatgc	atgtcatatt	tatttattta	cttatttttc	acacgcaaca	cagatgtagt	2400
ttttatcttg	aacaggagca	agatctgatc	catgggtttc	tttctttctt	ttttttttct	2460
ttcctttttg	gagacggcgt	ctcactctgt	tggccaggct	ggagtgcagt	ggtgtgacct	2520
cagctcactg	aaacctccac	ctcctgggtt	caagtgatcc	tctgcctca	gcctcccaag	2580
tagctgggac	ctcagacatg	catcaccacg	cctggctaata	ttttgcattt	ttagtagaga	2640
cagggttttg	ccatgttggc	cagggttggtc	tcaaacctct	gaatctcagg	tgatctgcct	2700
gacttggcct	cccaaagtgc	tgggattaca	ggtgtgaagc	accatgtcca	gcccatgggt	2760
ttcttttctc	gcttctagat	catgatcggt	cttctctctg	cttctggatt	gagactactt	2820
cttttccctc	tactacgatg	atgcctttca	cgagacctgt	atcttgagtg	acttctgctt	2880
cttgatggct	ttctttgtgt	ttgtgtctgt	cctcatcatt	ttcagatgaa	tgtatttatt	2940
tattgagaca	gcatgtcact	ctgttgccca	ggctggagtg	cagtggcaca	atcacagctc	3000
actgtaacct	ctgtctcccc	ggctcaagct	tctcaccaca	gcctcccag	tagctggaat	3060
cacaggcaca	caccaccacg	cctgggctaac	ttttgtgttt	tttatagaga	cagggttttg	3120
ccatgttgct	caagctgggc	tcaaacttgt	gagcccaagc	aatttgccca	ccttggcctt	3180
ccgaagtact	gagactacag	acgtgagtca	ctgcgcccag	cccattttca	gatgaattta	3240

gtccctctct	tcctttatca	gaataatgtt	ctttgtcatt	atgctcctca	gaagtgtatt	3300
tcttagagga	tttgtttag	gattcctgtc	ttcttgccct	atcatgaaat	aggcttatta	3360
ttttcctacc	tgagtctgca	atgtcttcag	ttcagcctct	ttgcccatca	gcatgcgctt	3420
tgtgttttcg	tccttcggtt	tctttcttgt	tttctttctc	ttgaccttga	ttgtgatctt	3480
gaataatatt	ttgagtaaga	aaaacagatg	catctgacag	ttctttttcc	accactatc	3540
tggggatgtc	tttttctggg	gctagtccat	cttgtcctgg	ataactaccc	tatcttgaga	3600
accagtcctt	agtttcatga	aacatcttta	atgaaaacag	ccttttgggg	tgggtctgct	3660
gcaaactgtg	gtctggctct	cctcgcattg	gctctggctg	ccgcagaaca	gagctcaggc	3720
cgctaggggg	cacctccacg	tgcgcgtttt	agcagtacca	gccacctcaa	agctttgcca	3780
cagactgaat	agctccttcc	gggggcctgg	atggcaccca	ggggatctgc	cgttgctttt	3840
ttaatattt	tttttacatt	tagctcatta	atatctgtta	gatattttta	tgtctgcatt	3900
gaaatatgta	actttatttt	tcccccaaag	gataactgtt	ccaacattat	cagtttagctt	3960
gtctttttcc	caccaactta	aaatacgact	cttattttta	aaattgcatt	ttataaacat	4020
gtatgtttca	gtaatttata	ttctgcccc	ctgatctata	ttcccatctt	agaattatac	4080
ttttatttta	tttttaaaat	ttatttagag	acaaggctct	ggtatgtcac	tcaggctgga	4140
atgcagtggt	gcaatgataa	ttcactgcaa	ccttgaattc	ctgggctcaa	gcaatcctcc	4200
cacctcagcc	ttccaagtag	ctgggactac	aggtgtgtgc	cactatgcct	ggctaatttt	4260
tttattttta	tttttttgtg	gagacgatgt	tttgcattgt	tgcccaggct	ggtctcaaac	4320
tcctgggctc	gagggatctt	cctgtcttgg	ctgccccaaag	tgttgggatt	ataggcatga	4380
gccacctcac	ccagccttag	tattatacta	ttttagttaa	caaagcttta	caatgaattt	4440
tgatacctag	aaagactgca	cccagggtgaa	ataaacagcc	ttgtttctca	cacaaagcct	4500
gtttgggtgg	ctcttcacat	ggacacgtga	gacagatttc	gctagggaag	caaataacca	4560
tggaggtggg	caagaaatat	ccatgattgt	agagctttca	atcagccttt	tattcttgta	4620
acaaatgaaa	aacaaaggat	tatcagacat	ctgcggaaaa	cctctaacad	agaagaagga	4680
gataaaatga	acaaacaata	aaaagcaact	taaaaatgga	caccatataa	agaaaggaaa	4740
acagttttaa	aaaaaaaaaa	acccaaaacc	ctattcttaa	gctacagaga	aagcctggcc	4800
aacatggtga	aaccctatct	ctactaaaaa	tacgaagtat	tttagccagg	catggtggca	4860
catacctgta	gtcccagctg	ctcaggaggc	tgaggcagga	gaatcacctg	caccgaggag	4920
gctgaggctg	cagtgttctg	agatcacacc	acagcactcc	agcctgggtg	acagagtggg	4980
accttgtctc	aaaaaaaaaa	aaaaaaaaaa	aa			5012

&lt;210&gt; 12801

&lt;211&gt; 2032

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12801

gaaagaaaga	aagaaagaaa	tcatagacaa	cgggaaataaa	aactgcaaga	tacctaggaa	60
tgaatccaac	aaatgcactt	tcttcacaga	tcaaagcata	aactctaatt	gaagactata	120
aaaggcacat	gcagtgttca	tggcaccata	gccatggatg	aaaagactca	tcatttgtgga	180
gattggcagt	tctcaaatta	atctggattt	attaatacac	ttttgattat	attcccagga	240
gagattttta	taaaatgcag	accagccaag	gcaatattga	agaggcgcag	acggcattaa	300
gaagctgcaa	ttgcagggca	gccaggccaa	gaggcaccag	ggccctcagc	gcagcagtga	360
gcccagaagg	gccgcaagtg	gcagggtacc	tctgcgcact	aggggaaggag	ccatgttgct	420
aaatggtgtt	gggacagctg	atgccatata	gaaaaggatg	cagtgatacc	cctacctcac	480
accatgcaca	aaacacatca	cagtgcagga	cctaacctgt	aaaagccttt	cagagaaaaa	540
tcaagaggaa	atcttcctaa	cagtgcagga	caaaaagaca	gattgaacaa	gagattgagg	600
gtaaagacat	caatagggtt	gactctacag	acttcttcat	gaccacaaga	aaaatgtcac	660
ggttgtaatg	taagtggcag	aataagaaaa	gatattttgca	gtatctacga	gttacagaat	720
atatataaaa	atatgtgcaa	ctgtctgtcg	tgaaaaaaaa	cggcaaacac	cacacatcga	780
taaggatttg	gggacattgg	cttgtgtgtg	tactgccgag	agtgtagatg	gtcaccattt	840
tggggaatga	aatggccttc	cctggggaga	tcagagtcac	gcaggatata	tgactggcag	900
ttccggttcta	ggcgcttcct	tctccaccgg	caaggacacg	tgaagttgtt	gactgtgaca	960
tggttcacaa	agccaggggc	agctcaaatg	acgggggttag	ttgtacagtg	gaaggtaacg	1020
caagattaaa	tgagttaacc	agagctgtgt	gtcttggggc	agataaatcc	tcaaagccta	1080
acattaaaga	agcaagtgtc	tagaaaatag	gccccatttt	gacactgaag	aggttttttg	1140
aaatgtggaa	ggcatgttac	gttgttgatg	agcgtgcgta	agcaggaaaa	cctcagcagc	1200
ccctggggagg	cgccctcagc	ccaagggaca	gccctcccag	gcagggtgag	gggcagacga	1260
tgtttttact	gtgtctaaaa	ttatgtctct	ctatgaaaaa	aaaaaaagag	caaacaatgg	1320
taaaatgtta	gcaaagttag	agctgagtgg	tgggtacaag	gattactatg	gtgttccttt	1380

ctgtatctta	aaatggttat	cattacagtt	ttagaactga	atctggtttt	aaatacaggc	1440
cgtcacgtga	ggtggggggtt	gctctgctct	gtctaatacc	cacacaaagg	gcagcccttg	1500
ccccattctc	tccgtccatc	ccttgctgac	gccagccgtc	gggagtcagc	cccttgctgt	1560
ctgaaggctg	ccggcccgtg	gcccattgcc	agctcctgtt	tgtctcagaa	gaactggctt	1620
cctcaagctt	tgatagggcc	aaaaggagga	ccctcatctt	caagccctaa	cagccttctt	1680
aaagtcaccc	agacctgcca	gttctgcccc	ggcgtccaga	cggcaggcat	cttagacgtc	1740
gctgcaagg	tctgctccag	atggtgagca	ccttagacag	acgttgctgg	aaggcactgc	1800
tctgaacggt	gggcacctaa	cagacgttcc	gggaaggcac	tgctccggat	gttgggcatc	1860
ttagatgttc	ctggaaggca	ctgctctgga	cagtggacac	cttagacaga	tgttcctgga	1920
aggctctgct	ccgatgttcc	tggaaggctc	tgctccgaac	agtgggcacc	ttagacagac	1980
gttcctggaa	ggctctgctc	cgaacagtgg	acaccttaga	cagatgttcc	tg	2032

<210> 12802  
 <211> 144  
 <212> DNA  
 <213> Homo sapiens

<400> 12802	
ggtggcaggt	gctgtgaatc ccagttactc aggaggctga ggcaggagaa tcaactgaac 60
ctgggaggcg	gaggttgacg tgagccaaga tcacaccact gcactccagc ctggggcaaaa 120
gtgtgagact	acatctcaaa aaaa 144

<210> 12803  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 12803		
ttgtttcttt	tttttttttt ttgagacaga gtcttgctt gtcgcccagc 60	
ctggagtgc	gtggcgcgat ctcggctcac tgcaagctcc gcctcctggg ttcattgcat 120	
tctttctgct	cagcctcccc agtagctggg actacaagcg cccaccacca cgcccagcta 180	
atttttt		187

<210> 12804  
 <211> 3834  
 <212> DNA  
 <213> Homo sapiens

<400> 12804	
cgccctcccc	caaaaaaaaaa aaaagaaaat cgaaagtctg tactatagtt ttggtccagc 60
tccttaaaa	tttgttttagc tgcaaataat taagtgggat aatgcatgag aaggcatttg 120
taaactgcaa	agtgtctagaa atgctgtgag gtaacttctt tcacccctct cctcactatt 180
ctctgtctac	agtggatatt cccaaggcat tctccttgaa accttagtct ctcattatgc 240
cttcacaaga	ggaggagagg aggcattgct agaaaatgct gcatgcccct actggagatc 300
ggagagtcac	aacatgcttt agcattttta agtctatgaa acaggccaga cggatgtggg 360
ggctcacgcc	tgtaatccca gcactttgga aggctaaggc ggggtggatca cctgaggtta 420
ggagtttgag	accagcctga ccaacgtggc aaaacatcgt ctctactaaa aaatattaaa 480
aaattagctg	gacgtggtgg cttatgcctg taatcccagc tactcaagag gctgaggcac 540
cagaatcgct	tgaacccagg aggcggaggt tgcagtaagc caagggtggg ccactgtact 600
ccaacctggg	caacagagtg agactctgtc tcaaaaataa aaaataaaaa taaaggctat 660
gggcccggcg	tggtggctca cgccgtgaat cccagcactt tgggaggctg aggtgggtgg 720
atcacaagg	caggagatcg agaccatcct ggctaacacg gtgaaacccc gtctctacta 780
aaaaataaaa	aaattagctg ggcacggtgg cgggcgccta tagtcccagc tacttggggag 840
gctgaggcag	gagaatggca tgaacctggg aggcggagct tgcagtgaac caagatcgctg 900
ccactgcact	ccagcctggg cgacagagcg agactctgtc tcaaaaaaaaa aaaaaaaaaa 960
aggctatgaa	acaatggtga agacacctgt tggatctaact ttaacttagg gtgtacaaac 1020
tgattttatt	aaaatttcaa aaaaattgaa ttttaagctt ttaacagggg agggcaaatct 1080
tgttatctga	tgagaaatgt gtttggggaa gagctggctt gtctccactg ctgcctctc 1140